

OFFICIAL MINUTES

Baccalaureate Council Meeting 4th Meeting/Academic year 2022-23 TEAMS ONLY

12:30 – 3:00 p.m., Thursday, December 8, 2022

Voting Members Present: A. Ferguson (BUS), S. Ehsani (BUS), N. Andzik (EDU), J. E. Strid (CEDU), I. Salehinia (CEET), J. Shelton (CEET), M. Shokrani (CHHS), T. Gidaszewski (CLAS), A. Schatteman (CLAS), R. Houze (CVPA), B. Hart (CVPA), M. Myles (Advising), B. McGowan (University Libraries), C. Kuja (CLAS Student)

Voting Members Absent: A. Linnars (CLAS), A. Saravanan (CHHS), E. Sebastio (CEDU), K. Thepboriruk (CLAS), A. Zaker (CBUS Student), Elena Ruzzo (CEET Student)

Ex-Officio Non-Voting Members Present: O. Ghrayeb (Senior Vice Provost) C. Garvey (Admissions), K. Saalfeld (Transfer Center Coordinator), A. Hutchinson (Educational Services and Programs Representative), M. Lagunas (Admissions Director), C. Schmitz (Registration & Records Director), C. McFarland McKee (Curriculum Coordinator and Catalog Editor)

Ex-Officio Non-Voting Members Absent: E. Armstrong (Student Affairs Designee)

Upon confirmation of a quorum, the Baccalaureate Council (BC) meeting was called to order at 12:30 p.m. by Chair Omar Ghrayeb, Senior Vice Provost, Academic Affairs.

- I. **ADOPTION OF AGENDA** - Ghrayeb called for a motion to approve the agenda for December 1, 2022. Shelton moved approval, seconded by Gidaszewski.
MOTION PASSED UNANIMOUSLY.
- II. **APPROVAL OF MINUTES** - McFarland McKee confirmed that the minutes of the December 1, 2022, meeting were approved electronically as of December 8, 2022.
- III. **ANNOUNCEMENTS**
McFarland McKee announced that the expedited curricular items approved by colleges were previously distributed to BC members by email. However, an expedited course revision for UNIV 301 was received after the agenda and curricular sections were distributed. That item has been added to the agenda as new business.

McFarland McKee also announced that the next BC meeting will be 2023.02.09.

IV. DISCUSSION AGENDA

A. Section A

1. **College of Business**– *No Curricular Items*

2. **College of Education** - Ghrayeb called for a motion to approve the two College of Education items in Section IV.A.2 of the agenda. Myles moved approval, seconded by Strid. Ghrayeb opened the floor for discussion. Following brief discussion, **MOTION PASSED UNANIMOUSLY.**

- CEDU 07 (AY 2022-2023) – 2 items

3. **College of Engineering** – Ghrayeb called for a motion to approve the three College of Engineering & Engineering Technology items in Section IV.A.3 of the agenda. McGowan moved approved, seconded by Strid. Ghrayeb opened the floor for discussion. Following brief discussion, **MOTION PASSED UNANIMOUSLY.**

- CEET 05 (2022-2023) – 3 items

4. **College of Health and Human Sciences**– *No Curricular Items*

5. **College of Liberal Arts and Sciences** – Ghrayeb explained that the numerous curricular items received from CLAS are primarily related to the merger of the former departments of geology and geography into the new Department of Earth, Atmosphere, and Environment, and that many of them could have gone through the expedited process. McFarland McKee explained the groupings of the curricular items on the agenda and noted that additional rationale and a few additional updates had been received on some items.

Ghrayeb called for a motion to approve all the items submitted by the College of Liberal Arts and Sciences in Section IV.A.5 of the agenda. Gidaszewski moved approval, seconded by Shokrani. Following brief discussion and clarification of the updates made to the original submission, **MOTION PASSED UNANIMOUSLY.**

- CLAS 05 (AY 2022-2023) – 183 items
 - CLAS22.23.05.003 – CLAS22.2305.006 (pp 4-11) OCC to update EAE prefix in course listings for General Education, Writing Infused, Human Diversity, and Illinois Articulation Initiative Curriculum
 - CLAS22.23.05.007 – CLAS22.23.05.009 (pp 12-14) OCC to update EAE prefix in CLAS requirement for BS degree and two minors
 - CLAS22.23.05.010 – CLAS22.23.05.185 (pp 15-102) OCC and CR to update EAE prefix in courses, programs, PRQs.
- CLAS 06 (AY 2022-2023) – *No Curricular Items*
- CLAS 07 (AY 2022-2023) – 33 items
 - CLAS22.23.07.25 – CLAS22.23.07.31 (pp 102-118) OCC updates expedited course changes
 - CLAS22.23.07.32 – CLAS22.23.07.33 (pp 108-110) OCC replaces ETT 402 with EPS 452 for Educator Licensure in

Biology and in Chemistry

- CLAS22.23.07.34 - CLAS22.23.07.38 (pp 110-127) OCC updates EAE changes in majors, degrees, and certificates.
- CLAS22.23.07.39 - CLAS22.23.07.40 (pp 127-129) OCC includes removing ENGL 434X deleted under expedited process
- CLAS22.23.07.41 OCC (p 129) removes course deleted under expedited process
- CLAS22.23.07.42 OCC (pp 129-132) OCC updates expedited course changes
- CLAS22.23.07.43 (p 133) NC NNGO 201
- CLAS22.23.07.44 - CLAS22.23.07.47 (pp 133-136) OC updates expedited course changes
- CLAS22.23.07.48 (p 136) OCC replaces ETT 402 with EPS 452
- CLAS22.23.07.49 – CLAS22.23.07.57 (pp 136-148) OCC updates expedited course changes; removes SOCI 357
- CLAS 08 (AY 2022-2023) – 44 items
 - CLAS22.23.08.08 - CLAS22.23.08.19 (pp 148-154) CR moved from Expedited to Section A due to “C or better” language in PRQs
 - CLAS22.23.08.20 - CLAS22.23.08.24 (pp 154-157) OCC updates expedited course changes in lists for Gen Ed, WI, HD, and Inter-College Interdisciplinary Programs; adds ENVS 200
 - CLAS22.23.08.25 - CLAS22.23.08.29 (pp 157-161) OCC updates EAE course and program changes
 - CLAS22.23.08.30 - CLAS22.23.08.32 (pp 161-163) NC ENVS 200, ENVS 242, ENVS 385X
 - CLAS22.23.08.33 - CLAS22.23.08.35 (pp 163-194) OCC Environmental Studies
 - CLAS22.23.08.36 - CLAS22.23.08.37 (pp 194-195) OCC updates expedited course changes
 - CLAS22.23.08.38 (pp 195-198) OCC Mathematical Sciences BS
 - CLAS22.23.08.39 (p 198) NC with Cross-Listing NNGO 402X
 - CLAS22.23.08.40 - CLAS22.23.08.41 (p 198-202) OCC updates expedited course changes, adds new course requirements
 - CLAS22.23.08.42 (p 203) NC POLS 385

- CLAS22.23.08.43 (pp 203-204) OCC Psychology BA or BS
- CLAS22.23.08.44 - CLAS22.23.08.52 (pp 204-210) OCC updates expedited course changes
- CLAS 09 (AY 2022-2023) – 7 items
 - CLAS22.23.09.04 (p 210) OCC updates HD list of courses
 - CLAS22.23.09.05 (p 210-211) NC BIOS 429
 - CLAS22.23.09.06 - CLAS22.23.09.07 (pp 211-215) OCC updates EAE courses Educator Licensure - Geology and Environmental Sciences and Social Sciences Geography
 - CLAS22.23.09.08 - CLAS22.23.09.09 (pp 216-217) NC POLS 342 & POLS 370
 - CLAS22.23.09.10 (pp 217-219) OCC Sociology BA or BS

6. **College of Visual and Performing Arts** – *No Curricular Items*

B. Section B – No items

C. Section D – No items

- V. **UNFINISHED BUSINESS** - Ghrayeb called for a motion to approve the College of Education curricular item under Section V of the agenda. Ferguson moved approval, seconded by Strid. McFarland McKee shared the College of Education revised item CEDU22.23.05.02, reminding BC members that the original item had been tabled by the BC at the November meeting. The submitted revision removes references to certain Minors in the new Emphasis I. **MOTION PASSED UNANIMOUSLY.**

- CEDU 05 (AY 2022-2023) – 1 item, a revision of tabled item CEDU22.23.05.02 from 11.10.2022 meeting. Addendum to Section A.

- VI. **NEW BUSINESS** - McFarland McKee explained that a course revision was received for UNIV 301 after meeting materials had been distributed, but because the item was not on the original expedited course actions that had been sent, it was added under new business for BC approval for an immediate catalog change for spring 2023. Ghrayeb called for a motion to approve the UNIV 301 course revision under Section VI of the agenda. Myles moved approval, seconded by Gidaszewski. Following brief discussion, **MOTION PASSED UNANIMOUSLY.**

- VII. **ADJOURNMENT** - Ghrayeb called for a motion to adjourn the meeting. Ferguson moved, seconded by Shokrani. Meeting was adjourned at 12:56 p.m. The next meeting of the Baccalaureate Council will be February 9, 2023.

Respectfully submitted,

Carol McFarland McKee
Curriculum Coordinator/Catalog Editor

AGENDA

Baccalaureate Council Meeting

4th Meeting/Academic year 2022-23

TEAMS ONLY

12:30 – 3:00 p.m., Thursday, December 8, 2022

I. ADOPTION OF AGENDA

II. APPROVAL OF MINUTES

III. ANNOUNCEMENTS

- A. Expedited curricular items approved by colleges were distributed to BC members by email
- B. Next BC meeting will be 2023.02.09

IV. DISCUSSION AGENDA

A. Section A

1. **College of Business**– *No Curricular Items*
2. **College of Education**
 - CEDU 07 (AY 2022-2023) – 2 items
3. **College of Engineering** – *Revision updated in Section A (p. 2, 3)*
 - CEET 05 (2022-2023) – 3 items
4. **College of Health and Human Sciences**– *No Curricular Items*
5. **College of Liberal Arts and Sciences**
 - CLAS 05 (AY 2022-2023) – 183 items
 - CLAS22.23.05.003 – CLAS22.23.05.006 (pp 4-11) OCC to update EAE prefix in course listings for General Education, Writing Infused, Human Diversity, and Illinois Articulation Initiative Curriculum
 - CLAS22.23.05.007 – CLAS22.23.05.009 (pp 12-14) OCC to update EAE prefix in CLAS requirement for BS degree and two minors
 - CLAS22.23.05.010 – CLAS22.23.05.185 (pp 15-102) OCC and CR to update EAE prefix in courses, programs, PRQs. **Additional rationale added for CLAS22.23.05.103 EAE 103 title change (p. 219)**

- CLAS 06 (AY 2022-2023) – *No Curricular Items*
- CLAS 07 (AY 2022-2023) – 33 items
 - CLAS22.23.07.25 – CLAS22.23.07.31 (pp 102-118) OCC updates expedited course changes
 - CLAS22.23.07.32 – CLAS22.23.07.33 (pp 108-110) OCC replaces ETT 402 with EPS 452 for Educator Licensure in Biology and in Chemistry
 - CLAS22.23.07.34 - CLAS22.23.07.38 (pp 110-127) OCC updates EAE changes in majors, degrees, and certificates. **Three revisions to CLAS22.23.07.36 – removal of advisory information for EAE 479 (p. 115) and EAE 477 (p. 124); additional rationale for changes in hours for Emphasis 3 (p. 124).**
 - CLAS22.23.07.39 - CLAS22.23.07.40 (pp 127-129) OCC includes removing ENGL 434X deleted under expedited process
 - CLAS22.23.07.41 OCC (p 129) removes course deleted under expedited process
 - CLAS22.23.07.42 OCC (pp 129-132) OCC updates expedited course changes
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 - CLAS22.23.08.33 - CLAS22.23.08.35 (pp 163-194) OCC

Environmental Studies

- CLAS22.23.08.36 - CLAS22.23.08.37 (pp 194-195) OCC updates expedited course changes
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- CLAS22.23.08.39 (p 198) NC with Cross-Listing NNGO 402X
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 - CLAS22.23.09.10 (pp 217-219) OCC Sociology BA or BS

6. *College of Visual and Performing Arts – No Curricular Items*

B. Section B – No items

C. Section D – No items

V. UNFINISHED BUSINESS

CEDU 05 (AY 2022-2023) – 1 item, a revision of tabled item CEDU22.23.05.02 from 11.10.2022 meeting. Addendum to Section A.

VI. NEW BUSINESS

Expedited Addendum – 1 item, UNIV 301

VII. ADJOURNMENT

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

COLLEGE OF EDUCATION

DEPARTMENT OF KINESIOLOGY AND PHYSICAL EDUCATION

New Course Offering
CIP Code: 31.0508

CEDU22.23.07.02
Course Component: Practicum

[2022-23 Undergrad Catalog](#)

KNPE 436 – Advanced Experience in Physical Activity, Life Skills, and Sport. Enhancement of students' practical experiences in the area of physical activity, life skills, and sport. Via a series of guest lecturers, individual and group assignments, and practical experiences, students will hone organizational, planning, managing, and leadership skills. May be repeated to a maximum of 9 semester hours. PRQ: Consent of department.

Semester Hours: 1-3

Rationale: With a growing numbers of sport organizations embracing the concept of using sport to facilitate physical activity and life skills, there is increasing demand for professionals within this industry. As a result, professional opportunities are becoming more prevalent in areas such as community relations, community outreach, DEI oversight, and engagement. This transdisciplinary course will introduce students to some of these opportunities and potentially give them a competitive advantage when entering the job market. Opportunities to work closely with entities such as NIU PALS, NIU STEAM, and other stakeholder groups will be offered.

Repeatability: A recently approved experiential learning class (LESM 385 - Field Experience in SM) has a similar premise to KNPE 436, that students are able to repeat up to a maximum of 9 semester hours, establishing precedent for repeatability to not just apply to Special Topic courses. This will be an immersive, authentic, and applied experience for students involved in a number of our outreach programs such as PALS and FLEX.

Non-Duplication: Since this is a department-specific course, no duplication exists.

Finally, this course will be added as an elective into the recently developed minor in Sport for Development and Social Change and aligns well with the recently established presidential goal of transdisciplinary work in this area.

Other Catalog Change

CEDU22.23.07.03

[2022-23 Undergrad Catalog](#)

Minor in Sport for Development and Social Change (18)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

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Required Courses (9)

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Three of the following (9)

BKST 200 - Racism in American Culture and Society Credits: 3

BKST 300 - Foundations of Black Studies Credits: 3

EPFE 302 - Advocacy, Justice and Leadership in a Diverse Society Credits: 3

KNPE 310 - Psychological Aspects of Sport and Exercise Credits: 3

KNPE 436 - Advanced Experience in Physical Activity, Life Skills, and Sport Credits: 1-3

Students must complete 3 credit hours of KNPE 436

Rationale: Adding an applied experience option will provide a potential value add for student pursuing this minor. Additionally, this experience will afford students the opportunity to participate in some of KNPE / NIU outreach and community programs such as PALS, Project FLEX, NIU STEAM, etc., thus making them more marketable as they pursue professional or post-baccalaureate opportunities.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

INDUSTRIAL AND SYSTEMS ENGINEERING

Other Catalog Change

CEET22.23.05.04

2022-23 UG Catalog [Link](#)

Industrial and Systems Engineering

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Mission

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Program Educational Objectives

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Student Outcomes

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Department Requirements

All industrial and systems engineering students must have their schedule reviewed, approved, and signed by their faculty adviser each semester. Any deviation from an approved course schedule may delay graduation. **All industrial and systems engineering students must complete the required minimum of 30 semester hours of college level mathematics and basic science courses to be eligible for graduation.**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: ABET requires that all students must complete at least 30 credit hours of math and basic science courses. This change reflects the requirements of ABET.

Other Catalog Change **CEET22.23.05.05** 2022-23 UG Catalog [Link](#)

Industrial and Systems Engineering (B.S.)



All industrial and systems engineering students must complete the required minimum of 30 semester hours of college level mathematics and basic science courses to be eligible for graduation. Check departmental information for any additional requirements.



Rationale: ABET requires that all students must complete at least 30 credit hours of math and basic science courses. This change reflects the requirements of ABET.

BIOMEDICAL ENGINEERING

Other Catalog Change **CEET22.23.05.06** 2023-24 UG Catalog [LINK](#)

Biomedical Engineering (B.S.)



Requirements in Program (20 22)

- BME 201 - Introduction to Biomedical Engineering Credits: 3
- BME 320 - Biomedical Engineering Measurements Credits: 4
- BME 330 - Biomechanics Credits: 3 4
- BME 336 - Biomaterials Credits: 3 4
- BME 395 - Biomedical Engineering Junior Design Credits: 1
- BME 495 - Senior Biomedical Engineering Design I Credits: 3
BME 495 is a writing infused course.
- BME 496 - Senior Biomedical Engineering Design II Credits: 3
BME 496 is a writing infused course.



Total Hours for a Major in Biomedical Engineering: ~~102-106~~ **104-108**

Rationale: The increase in credit hours for the expedited course revisions for BME 330 and BME 336 requires an adjustment in credit hours for the requirements in program and total hours for a major in Biomedical Engineering.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

COLLEGE OF LIBERAL ARTS AND SCIENCES

ALL UNIVERSITY SECTION

Other Catalog Change

CLAS22.23.05.003

2022-23 UG Catalog

[LINK](#)

General Education Requirements



Knowledge Domain Course Descriptions

Creativity and Critical Analysis Course Descriptions



Nature and Technology Course Descriptions

- ANTH 103 - The Great Apes Credits: 3
- ↓
- CSCI 205 - Introduction to Computing Credits: 3
- EAE 101 - Introduction to Environmental Geography Credits: 3
- EAE 103 - Planetary and Space Science Credits: 3
- EAE 104 - Introduction to Ocean Science Credits: 3
- EAE 105 - Weather, Climate, and You Credits: 3
- EAE 107 - Geology of the National Parks Credits: 3
- EAE 108 - Environmental Geology Credits: 3
- EAE 120 - Planet Earth Credits: 3
- EAE 121 - Planet Earth Laboratory Credits: 1
- EAE 253 - Environment and Society Credits: 3
- EAE 303 - Water Resources and the Environment Credits: 3
- EAE 305 - Diamonds, Gems, and Other Precious Stones Credits: 3
- EAE 307 - Diamonds, Gems, and Other Precious Stones Laboratory Credits: 1
- ELE 100 - Elements of Electronics Credits: 3
- ↓
- ETT 234 - Learning with Technology Credits: 3
- ~~GEOG 101 - Introduction to Environmental Geography Credits: 3~~
- ~~GEOG 105 - Weather, Climate, and You Credits: 3~~
- ~~GEOG 253 - Environment and Society Credits: 3~~
- ~~GEOG 303 - Water Resources and the Environment Credits: 3~~
- ~~GEOL 101 - Geology of the National Parks Credits: 3~~
- ~~GEOL 103 - Planetary and Space Science Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOL 104 - Introduction to Ocean Science Credits: 3~~
- ~~• GEOL 105 - Geologic Resources and the Environment Credits: 3~~
- ~~• GEOL 120 - Planet Earth Credits: 3~~
- ~~• GEOL 121 - Planet Earth Laboratory Credits: 1~~
- ~~• GEOL 303 - Diamonds, Gems, and Other Precious Stones Credits: 3~~
- ~~• GEOL 304 - Diamonds, Gems, and Other Precious Stones Laboratory Credits: 3~~
- HIST 323 - History of Science Credits: 3
- ↓
- TECH 294 - Technology and Cultural Relevance Credits: 3

Society and Culture Course Descriptions

- ANTH 104 - Anthropology of Pop Culture: Making the Familiar Strange Credits: 3
- ↓
- COMS 410 - Communication and Gender Credits: 3
- COMS 410 also fulfills the Human Diversity Requirement.
- EAE 202 - World Regional Geography Credits: 3
- EAE 202 also fulfills the Human Diversity Requirement.
- EAE 204 - Geography of Economic Activities Credits: 3
- EAE 256 - Maps and Mapping Credits: 3
- EAE 324X - Women in Science Credits: 3
- EAE 324X also fulfills the Human Diversity Requirement.
- ECON 160 - Contemporary Economic Issues Credits: 3
- ↓
- FLBU 482 - Censorship, Propaganda, and Media Bias in Southeast Asia and Beyond Credits: 3
- FLBU 482 also fulfills the Human Diversity Requirement.
- ~~• GEOG 202 - World Regional Geography Credits: 3~~
- ~~• GEOG 202 also fulfills the Human Diversity Requirement.~~
- ~~• GEOG 204 - Geography of Economic Activities Credits: 3~~
- ~~• GEOG 256 - Maps and Mapping Credits: 3~~
- ~~• GEOG 324X - Women in Science Credits: 3~~
- ~~• GEOG 324X also fulfills the Human Diversity Requirement.~~
- HDFS 207 - The Consumer Credits: 3
- ↓
- WGSS 350 - Lesbian, Gay, Bisexual, and Transgender Studies Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

WGSS 350 is a writing infused course.

WGSS 350 also fulfills the Human Diversity Requirement.

Pathways

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Global Connections

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Select one of the following Nature and Technology courses:

- ~~GEOG~~ **EAE** 101 - Introduction to Environmental Geography Credits: 3
- ~~GEOG~~ **EAE** 104 - Introduction to Ocean Science Credits: 3
- MEE 101 - Energy and the Environment Credits: 3

Select one of the following Society and Culture courses:

- ANTH 220 - Being Human: Introduction to Cultural Anthropology Credits: 3
- BKST 219 - Introduction to African Studies Credits: 3
- **EAE 204 - Geography of Economic Activities Credits: 3**
- ENGL 318 - Exploring Human Language Credits: 3
ENGL 318 is a writing infused course.
- EPFE 430 - Comparative and International Education Credits: 3
- FLBU 482 - Censorship, Propaganda, and Media Bias in Southeast Asia and Beyond Credits: 3
- ~~GEOG 204 - Geography of Economic Activities Credits: 3~~
- HIST 343 - History of Southeast Asia Since ca. 1800 Credits: 3

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- SEAS 225 - Southeast Asia: Crossroads of the World Credits: 3

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Origins and Influences

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Select one of the following Nature and Technology courses:

- ANTH 240 - Becoming Human: Discovering Human Origins Credits: 3
- ARTH 331 - Art, Nature and Technology 1400 to 1800 Credits: 3
- ~~GEOG~~ **EAE** 103 - Planetary and Space Science Credits: 3
- ~~GEOG~~ **EAE** 120 - Planet Earth Credits: 3
- PHYS 162 - Elementary Astronomy Credits: 3

Select one of the following Society and Culture courses:

- ANTH 105 - Archaeology Myths and Mysteries Credits: 3
- ARTH 310 - Studies in Ancient and Middle-Eastern Art Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ARTH 330 - Studies in Early Modern European Art Credits: 3
- ~~GEOG~~ **EAE 202** - World Regional Geography Credits: 3
- HIST 364 - African-American History to 1865 Credits: 3
HIST 364 also fulfills the Human Diversity Requirement.
- HIST 381 - Colonial Latin America Credits: 3
HIST 381 also fulfills the Human Diversity Requirement.

Social Justice and Diversity



Select one of the following Nature and Technology courses:

- **EAE 253 - Environment and Society Credits: 3**
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
- ~~GEOG 253 - Environment and Society Credits: 3~~

Select one of the following Society and Culture courses:

- ANTH 302 - Asian American Cultures Credits: 3
ANTH 302 also fulfills the Human Diversity Requirement.
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- WGSS 324 - Women in Science Credits: 3
WGSS 324 also fulfills the Human Diversity Requirement.
- OR BIOS 324X - Women in Science Credits: 3
BIOS 324X also fulfills the Human Diversity Requirement.
- OR ~~GEOG~~ **EAE 324X** - Women in Science Credits: 3
~~GEOG~~ **EAE 324X** also fulfills the Human Diversity Requirement.
- WGSS 350 - Lesbian, Gay, Bisexual, and Transgender Studies Credits: 3
WGSS 350 also fulfills the Human Diversity Requirement.

Sustainability



Select one of the following Nature and Technology courses:

- ANTH 103 - The Great Apes Credits: 3
- BIOS 106 - Environmental Biology Credits: 3
- ~~GEOL 101~~ **EAE 107** - Geology of the National Parks Credits: 3
- ~~GEOL 105~~ **EAE 108** - ~~Geologic Resources and the Environment~~ **al Geology** Credits: 3
- HIST 377 - American Environmental History Credits: 3
HIST 377 also fulfills the Human Diversity Requirement.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3

Rationale: Revision of GEOG/GEOL to EAE course designators and numbers to coordinate

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

with department merger.

Other Catalog Change

CLAS22.23.05.004

2022-23 UG Catalog

[LINK](#)

Writing Infused Courses



List of Writing Infused Courses

- ACCY 375 - Accountancy Writing Lab Credits: 1
- ↓
- BIOS 471X - Biological Chemistry Laboratory Credits: 3
- BKST 488X - Transatlantic Slavery, 1492-1867 Credits: 3
BKST 488X fulfills the Human Diversity Requirement.
- BME 495 - Senior Biomedical Engineering Design I Credits: 3
- ↓
- COMS 466 - Narrative Scriptwriting Credits: 3
- EAE 330 - Global Cycles Credits: 4
- EAE 361 - Geographic Measurement and Quantitative Analysis Credits: 3
- EAE 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
- EAE 427 - Planetary Geoscience Credits: 3
- EAE 465 - Location Analysis Credits: 3
- EAE 477 - Field Methods in Environmental Geosciences Credits: 5
- ECON 492 - Research Methods in Economics Credits: 3
- ↓
- FSMD 466 - Economics of Apparel and Textile Industries Credits: 3
- ~~• GEOG 361 - Geographic Measurement and Quantitative Analysis Credits: 3~~
- ~~• GEOG 464 - Location Analysis Credits: 3~~
- ~~• GEOL 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3~~
- ~~• GEOL 427 - Planetary Geoscience Credits: 3~~
- ~~• GEOL 477 - Field Methods in Environmental Geosciences Credits: 4~~
- HDFS 432 - Theories of Child Development Credits: 3
- ↓
- HIST 486 - Inequality in Latin America Credits: 3
HIST 486 fulfills the Human Diversity Requirement.
- HIST 488 - Transatlantic Slavery, 1492-1867 Credits: 3
HIST 488 fulfills the Human Diversity Requirement.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- HON 400 - Honors Seminar: General Education Domains & Writing Infused Credits: 3
↓
- WGSS 350 - Lesbian, Gay, Bisexual, and Transgender Studies Credits: 3
WGSS 350 is available for general education credit.
WGSS 350 fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Social Justice and Diversity Pathway.

Rationale: Addition of EAE 330 (formerly GEOL 330) and HIST 488/BKST 488X to the list of approved writing infused courses. Revision of GEOG/GEOL to EAE course designators and numbers to coordinate with department merger.

Other Catalog Change

CLAS22.23.05.005

2022-23 UG Catalog

[LINK](#)

Human Diversity Requirement List of Courses

↓
Course list

- AHL 450 - Laboratory Management Principles and Processes Credits: 3
↓
- COMS 410 - Communication and Gender Credits: 3
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- **EAE 202 - World Regional Geography Credits: 3**
Available for general education credit.
- **EAE 324X - Women in Science Credits: 3**
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- ENGL 322 - Language in American Society Credits: 3
ENGL 322 is a writing infused course.
↓
- FSMD 464 - Social Psychology of Dress and Appearance Credits: 3
- ~~• GEOG 202 - World Regional Geography Credits: 3~~
~~Available for general education credit.~~
- ~~• GEOG 324X - Women in Science Credits: 3~~
~~Available for general education credit.~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~This is a society and culture general education course for the Social Justice and Diversity Pathway.~~

- HDFS 384 - Asian American Families Credits: 3
- ↓
- WGSS 450 - Transgender Studies Credits: 3

Rationale: Revision of GEOG to EAE course designators to coordinate with department merger.

Other Catalog Change

CLAS22.23.05.006

2022-23 UG Catalog

[LINK](#)

Illinois Articulation Initiative Core Curriculum

Physical and Life Sciences

- BIOS 103 - General Biology Credits: 3
IAI Number L1 900
↓
- CHEM 212 - General Chemistry Laboratory I Credits: 1
IAI Number P1 902L
- ~~GEOG~~ **EAE** 101 - Introduction to Environmental Geography Credits: 3
IAI Number P1 909
- ~~GEOG~~ **EAE** 102 - Introduction to Environmental Geography Laboratory Credits: 1
IAI Number P1 909L
- **EAE 103 - Planetary and Space Science Credits: 3**
IAI Number P1 905
- **EAE 104 - Introduction to Ocean Science Credits: 3**
IAI Number P1 905
- ~~GEOG~~ **EAE** 105 - Weather, Climate, and You Credits: 3
IAI Number P1 905
- ~~GEOG~~ **EAE** 106 - Weather and Climate Laboratory Credits: 1
IAI Number P1 905L
- ~~GEOL 103 - Planetary and Space Science Credits: 3~~
~~IAI Number P1 905~~
- ~~GEOL 104 - Introduction to Ocean Science Credits: 3~~
~~IAI Number P1 905~~
- ~~GEOL 105~~ **EAE 108** - ~~Geologic Resources and the Environmental~~ **Geology** Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- IAI Number P1 908
- ~~GEOL~~ **EAE** 120 - Planet Earth Credits: 3
IAI Number P1 907
- ~~GEOL~~ **EAE** 203 - Global Change Credits: 3
IAI Number P1 906
- PHYS 150 - Physics Credits: 3
IAI Number P1 900
- ↓
- PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4
IAI Number P2 900L
- ↓
- Social and Behavioral Sciences
- ANTH 102 - Temples and Tombs: Rise of Civilization Credits: 3
IAI Number S1 903
- ↓
- ANTH 240 - Becoming Human: Discovering Human Origins Credits: 3
IAI Number S1 902
- **EAE 202 - World Regional Geography Credits: 3**
IAI Number S4 906
- **EAE 204 - Geography of Economic Activities Credits: 3**
IAI Number S4 903N
- ECON 260 - Principles of Microeconomics Credits: 3
IAI Number S3 902
- ECON 261 - Principles of Macroeconomics Credits: 3
IAI Number S3 901
- ~~GEOG 202 - World Regional Geography Credits: 3~~
~~IAI Number S4 906~~
- ~~GEOG 204 - Geography of Economic Activities Credits: 3~~
~~IAI Number S4 903N~~
- HDFS 230 - Child Development Credits: 3
IAI Number S6 903
- ↓
- SOCI 361 - Race and Ethnicity Credits: 3
IAI Number S7 903D

Rationale: Revision of GEOG/GEOL to EAE course designators and numbers to coordinate with department merger.

COLLEGE OF LIBERAL ARTS AND SCIENCES

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Other Catalog Change

CLAS22.23.05.007

2022-23 UG Catalog

[LINK](#)

College of Liberal Arts and Sciences

↓

College Requirement for the B.S. Degree

↓

Group B. Computation

CSCI 210 - Elementary Programming (4)

CSCI 230 - Computer Programming in FORTRAN (4)

CSCI 240 - Computer Programming in C++ (4)

CSCI 250 - Computer Programming in COBOL (4)

ECON 391 Introduction to Quantitative Economics (3)

*STAT 200 - Elementary Statistics (4)

STAT 300 - Introduction to Probability and Statistics (3)

UBUS 223 - Introduction to Business Statistics (3)

Group C. Lab Sciences

*BIOS 103 - General Biology (3)

AND *BIOS 105 - General Biology Laboratory (1)

↓

*CHEM 211 - General Chemistry II (3)

AND *CHEM 213 - General Chemistry Laboratory II (1)

~~*GEOG~~ **EAE 101** - Introduction to Environmental Geography (3)

AND ~~GEOG~~ **EAE 102** - Introduction to Environmental Geography Laboratory (1)

~~*GEOG~~ **EAE 105** - Weather, Climate, and You (3)

AND ~~GEOG~~ **EAE 106** - Weather and Climate Laboratory (1)

***EAE 120 - Planet Earth (3)**

AND ***EAE 121 - Planet Earth Laboratory (1)**

~~*GEOG~~ **EAE 256** - Maps and Mapping (3)

~~GEOG~~ **EAE 302** - Soil Science (3)

EAE 320 - Environments and Life Through Time (4)

~~GEOG~~ **EAE 359** - Introduction to Geography Information Systems (3)

~~*GEOL 120~~ - Introductory Geology (3)

AND ~~*GEOL 121~~ - Introductory Geology Laboratory (1)

~~GEOL 320~~ - Environments and Life Through Time (4)

MET 300 - Meteorology (4)

*PHYS 210 - General Physics I (4)

*PHYS 211 - General Physics II (4)

*PHYS 253 - Fundamentals of Physics I: Mechanics (4)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*PHYS 273 - Fundamentals of Physics II: Electromagnetism (4)



Rationale: The list of course options in Group B is very slim. The CLAS advising staff believes that this course (which covers “the computation of economic equilibria,” among other subjects) fits well within this category and recommends the addition. Updating the GEOG/GEOL to EAE course designators and numbers to coordinate with department merger. Update the title of EAE 120 and EAE 121. Impact Statement: The Department of Economics was consulted regarding the addition of ECON 391 to the Group B options for the B.S. requirement. The department did not identify any negative impact on course availability, enrollment, or teaching loads with this change. They support the addition.

Other Catalog Change

CLAS22.23.05.008

2022-23 UG Catalog

[LINK](#)

Minor in Global Studies (18)



Requirements (18)

Foundation Courses (9)

Choose three foundation courses from three different departments.

- ANTH 220 - Being Human: Introduction to Cultural Anthropology Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ~~GEOG~~ **EAE** 202 - World Regional Geography Credits: 3
Available for General Education credit in the Society and Culture Domain.
~~GEOG~~ **EAE** 202 also fulfills the Human Diversity Requirement.
- ~~GEOG~~ **EAE** 204 - Geography of Economic Activities Credits: 3
Available for General Education credit in the Society and Culture Domain.



- POLS 285 - Introduction to International Relations Credits: 3
Available for General Education credit in the Society and Culture Domain.

Electives (9)

Choose three elective courses from three different departments.

- ANTH 329 - Anthropology and Contemporary World Problems Credits: 3
ANTH 329 fulfills the Human Diversity Requirement.
- ↓
- COMS 454 - Transnational Communication and Media Credits: 3
 - OR JOUR 454X - Transnational Communication and Media Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 430 - Population, Society, and the Environment Credits: 3
- EAE 451 - Political Geography Credits: 3
- ECON 330 - International Economics Credits: 3
- ↓
- EPFE 430 - Comparative and International Education Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ~~GEOG 430 - Population Geography Credits: 3~~
- ~~GEOG 451 - Political Geography Credits: 3~~
- HIST 386 - History of Human Rights Credits: 3
Available for General Education credit in the Society and Culture Domain.
HIST 386 is a writing infused course.
- ↓
- THEA 483 - Intercultural Performance: Colonialism, Post-Colonialism, and the Global Theatre Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The coordinator for the Global Studies Minor was notified of this change via email on October 23, 2022.

Other Catalog Change

CLAS22.23.05.009

2022-23 UG Catalog

[LINK](#)

Minor in Latino/Latin American Studies (18)

↓

Four of the following (12)

- ANTH 404 - Peoples and Cultures of the Caribbean Credits: 3
- OR BKST 404X - Peoples and Cultures of the Caribbean Credits: 3
- ↓
- ARTH 458 - Topics in African, Oceanian, Native American, Pre-Columbian, and Latin-American Art Credits: 3
ARTH 458 is a writing infused course.
- EAE 430 - Population, Society, and the Environment Credits: 3
- ECON 300 - Labor Economics Credits: 3
- ↓
- FLSP 491 - History of the Spanish Language Credits: 3
- ~~GEOG 430 - Population Geography Credits: 3~~
- HIST 374 - Latinos/as in the United States Credits: 3
HIST 374 is a writing infused course.
HIST 374 also fulfills the Human Diversity Requirement

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog



- SOCI 379 - Collective Behavior and Social Movements Credits: 3

Rationale: Revisions to GEOG 430 (EAE 430). Notification: The Center for Latino and Latin American Studies was notified of this change via email on October 23, 2022.

DEPARTMENT OF ANTHROPOLOGY

Course Revision

CLAS22.23.05.010

2022-23 UG Catalog [LINK](#)

Current Course Component: CLN
(change)

Proposed Course Component: CLN (no change)

ANTH 401X - Third Clinical Secondary School Experience in History/Social Sciences

Cross-listed as **EAE 402X**, ECON 401X, ~~GEOG 401X~~, HIST 401, POLS 401X, PSYC 401X, and SOCI 401X. Discipline-based clinical ... S/U grading.

Prerequisites & Notes

PRQ: Consent of department. CRQ: ANTH 496X or **EAE 496X** or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

Rationale: Update course designators/numbers to coordinate with department merger. Notification: The Department of Anthropology was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.011

2022-23 UG Catalog [LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ANTH 435 - Space in Language and Culture

Cross-listed as ~~GEOG~~ **EAE** 435X. Exploration of ... and individual realizations.



Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Anthropology was notified of this change via email on October 23,

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

2022

Course Revision

CLAS22.23.05.012

2022-23 UG Catalog [LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ANTH 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as **EAE 496X**, ECON 496X, ~~GEOG 496X~~, HIST 496, POLS 496X, PSYC 496X, and SOCI 496X. Organization and grades and secondary levels.

↓

Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Anthropology was notified of this change via email on October 23, 2022

DEPARTMENT OF BIOLOGICAL SCIENCES

Course Revision

CLAS22.23.05.013

2022-23 UG Catalog [LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BIOS 301X - The Interdisciplinary Secondary Science Teacher

Cross-listed as CHEM 301X, ~~GEOG~~ **EAE** 301, and PHYS 301X. Seminar on the role of a science differentiated curriculum, and uses of technology.

Prerequisites & Notes

~~PRQ: Consent of department.~~ CRQ: BIOS 414X and ILAS 301.

Credits: 1

Rationale: Update course designator to coordinate with department merger. Remove PRQ since it not a requirement of the parent course. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.014

2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC Proposed Course Component: LEC (no change)

BIOS 324X - Women in Science

Cross-listed as **EAE 324X** and WGSS 324 and ~~GEOG 324X~~. Why women are of women in various scientific disciplines.

Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.015** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BIOS 403X - The Nature of Scientific Inquiry

Cross-listed as CHEM 403X, **EAE 403**, ENVS 403X, ~~GEOG 403~~, and PHYS 403X. Examination of science as middle school science classroom.

↓

Credits: 2

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.016** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BIOS 409X - Water Quality

Cross-listed as **EAE 409X**, ENVS 409, ~~GEOG 409X~~, and PHHE 409X. Survey of microbiological and Lectures, laboratories, and a field trip.

↓

Credits: 4

Rationale: Update course designator to coordinate with department merger. Notification:

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.017** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education

*Cross-listed as CHEM 414X, **EAE 414**, ENVS 414X, ~~GEOL 414~~, and PHYS 414X. Methods and theory for the teaching and ongoing development of a professional portfolio.*

↓
Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.018** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BIOS 422X - Plant-Soil Interactions

*Cross-listed as ~~GEOL~~ **EAE** 422. Chemical and and field experience.*

Prerequisites & Notes

PRQ: BIOS 103 and ~~GEOL~~ **EAE** 302, or consent of department.

Credits: 4

Rationale: Update course designators to coordinate with department merger. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.019** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

BIOS 458 - Vertebrate Paleontology

*Cross-listed as ~~GEOL~~ **EAE** 458X. Survey of the their geological settings.*

Prerequisites & Notes

PRQ: BIOS 208, BIOS 209, BIOS 210, and BIOS 211; or ~~GEOL~~ **EAE** 320.

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.020

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BIOS 466X - Introduction to Micropaleontology

*Cross-listed as ~~GEOL~~ **EAE** 471. Morphology, classification, phosphatic microfossils.*

Prerequisites & Notes

~~PRQ: GEOL 322 or consent of department.~~

Credits: 3

Rationale: Update course designators to coordinate with department merger. Delete PRQ to match changes to parent course. Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.021

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BIOS 468X - Geomicrobiology

*Cross-listed as ~~GEOL~~ **EAE** 468. Role of microorganisms and ecosystem studies.*

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 120 or BIOS 313, or consent of department.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.022

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BIOS 469X - Invertebrate Paleontology

Cross-listed as ~~GEOL 470~~ **EAE 469**. Principal invertebrate Several field trips required.

Prerequisites & Notes

PRQ: Major in biological sciences or geology **earth, atmosphere, and environment**.

Credits: 3

Rationale: Update course designator/number to coordinate with department merger.

Notification: The Department of Biological Sciences was notified of this change via email on October 23, 2022.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Course Revision

CLAS22.23.05.023

2022-23 UG Online Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

CHEM 201X - The Professional Secondary Science Teacher

Cross-listed as ~~GEOL 201~~ **EAE 201**, and *PHYS 201X*. Introduction to and an introduction to science content/teaching standards.

Prerequisites & Notes

~~PRQ: Consent of department.~~ CRQ: ILAS 201.

Credits: 1

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: Update course designator to coordinate with department merger. Remove comma after EAE 201 in cross-listing notation. Remove space between “/” and “teaching.” Remove PRQ since it not a requirement of the parent course. Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.024** 2022-23 UG Online Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

CHEM 301X - The Interdisciplinary Secondary Science Teacher

*Cross-listed as BIOS 301X, ~~GEOL~~ **EAE** 301, and PHYS 301X. Seminar on the role of a science differentiated curriculum, and uses of technology.*

Prerequisites & Notes

~~PRQ: Consent of department.~~ CRQ: CHEM 494 and ILAS 301.

Credits: 1

Rationale: Update course designator to coordinate with department merger. Remove PRQ since it not a requirement of the parent course. Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.025** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

CHEM 403X - The Nature of Scientific Inquiry

*Cross-listed as BIOS 403X, **EAE 403**, ENVS 403X, ~~GEOL 403~~, and PHYS 403X. Examination of science as middle school science classroom.*

↓

Credits: 2

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.026** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

CHEM 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education

*Cross-listed as BIOS 414X, **EAE 414**, ENVS 414X, ~~GEOL 414~~, and PHYS 414X. Methods and theory for the teaching ongoing development of a professional portfolio.*

↓

Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.027** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

CHEM 416X - Methods in Teaching Physical Sciences

*Cross-listed as ~~GEOL~~ **EAE** 416X and PHYS 416. Preparation for licensure in reading and the teaching of science; methods of evaluation*

Prerequisites & Notes

PRQ: Consent of department. CRQ: CHEM 401 or ~~GEOL~~ **EAE** 401 or PHYS 401.

Credits: 3

Rationale: Update course designators to coordinate with department merger. Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.028** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

CHEM 427 - Environmental Chemistry

Cross-listed as ENVS 427X. Exploration of Three hours of lecture/week.

Prerequisites & Notes

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: ~~GEOG 101~~ **EAE 101** or ~~GEOG 105~~ **EAE 108** or ENVS 301, and CHEM 211 and 213, or consent of the department.

Credits: 3

Rationale: Update course designators and number to coordinate with department merger.
Notification: The Department of Chemistry and Biochemistry was notified of this change via email on October 23, 2022.

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

Course Revision **CLAS22.23.05.029** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 101~~ **EAE 101** - Introduction to Environmental Geography

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 101) will replace the previous course (GEOG 101) for repeat benefits.*

Course Revision **CLAS22.23.05.030** 2022-23 UG Catalog [LINK](#)

Current Course Component: LAB Proposed Course Component: LAB (no change)

~~GEOG 102~~ **EAE 102** - Introduction to Environmental Geography Laboratory

Selected laboratory experiments to accompany ~~GEOG 101~~ **EAE 101**. Two hours of laboratory.

Prerequisites & Notes

CRQ: ~~GEOG 101~~ **EAE 101**.

Credits: 1

*Rationale: Revised course designators to coordinate with department merger. Update CRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 102) will replace the previous course (GEOG 102) for repeat benefits.*

Course Revision **CLAS22.23.05.031** 2022-23 UG Catalog [LINK](#)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 105 - Weather, Climate, and You

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 105) will replace the previous course (GEOG 105) for repeat benefits.*

Course Revision **CLAS22.23.05.032** 2022-23 UG Catalog [LINK](#)

Current Course Component: LAB Proposed Course Component: LAB (no change)

~~GEOG~~ **EAE** 106 - Weather and Climate Laboratory

↓
Prerequisites & Notes
CRQ: ~~GEOG~~ **EAE** 105.

Credits: 1

*Rationale: Revised course designator to coordinate with department merger. Update CRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 106) will replace the previous course (GEOG 106) for repeat benefits.*

Course Revision **CLAS22.23.05.033** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 150 - Introduction to Geomatics

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 150) will replace the previous course (GEOG 150) for repeat benefits.*

Course Revision **CLAS22.23.05.034** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 201~~ **EAE 205** - Introduction to Human Geography

Rationale: Revised course designator and number to coordinate with department merger.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Repeat Statement: The revised course (EAE 205) will replace the previous course (GEOG 201) for repeat benefits.

Course Revision **CLAS22.23.05.035** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 202 - World Regional Geography

*Rationale: Revised course designator to coordinate with department merger.***Repeat Statement:** The revised course (EAE 202) will replace the previous course (GEOG 202) for repeat benefits.

Course Revision **CLAS22.23.05.036** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 204 - Geography of Economic Activities

*Rationale: Revised course designator to coordinate with department merger.***Repeat Statement:** The revised course (EAE 204) will replace the previous course (GEOG 204) for repeat benefits.

Course Revision **CLAS22.23.05.037** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 253 - Environment and Society

*Rationale: Revised course designator to coordinate with department merger.***Repeat Statement:** The revised course (EAE 253) will replace the previous course (GEOG 253) for repeat benefits.

Course Revision **CLAS22.23.05.038** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 256 - Maps and Mapping

Introduction to mapping, with an graphic communication are introduced. **Two** hours of lecture, two hours of laboratory.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Add space between “introduced” and “Two”. **Repeat Statement:** The revised course (EAE 256) will replace the previous course (GEOG 256) for repeat benefits.*

Course Revision **CLAS22.23.05.039** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 302 - Soil Science

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 302) will replace the previous course (GEOG 302) for repeat benefits.*

Course Revision **CLAS22.23.05.040** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 303 - Water Resources and the Environment

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 303) will replace the previous course (GEOG 303) for repeat benefits.*

Course Revision **CLAS22.23.05.041** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 304 - Transportation Geography

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 304) will replace the previous course (GEOG 304) for repeat benefits.*

Course Revision **CLAS22.23.05.042** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~GEOG~~ **EAE** 306 - Severe and Hazardous Weather

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 306) will replace the previous course (GEOG 306) for repeat benefits.*

Course Revision **CLAS22.23.05.043** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 322 - Geography of World Plant Communities

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 322) will replace the previous course (GEOG 322) for repeat benefits.*

Course Revision **CLAS22.23.05.044** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 324X - Women in Science

*Cross-listed as **BIOS 324X** and WGSS 324 and ~~BIOS 324X~~. Why women of women in various scientific disciplines.*

*Rationale: Revised course designator to coordinate with department merger. Arrange cross-listed courses in alpha order. **Repeat Statement:** The revised course (EAE 324X) will replace the previous course (GEOG 324X) for repeat benefits.*

Course Revision **CLAS22.23.05.045** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 359 - Introduction to Geographic Information Systems

↓

Prerequisites & Note

PRQ: ~~GEOG~~ **EAE** 256 or consent of department.

Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 359) will replace the previous course (GEOG 359) for repeat benefits.*

Course Revision **CLAS22.23.05.046** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 360 - Earth from Space: Introduction to Remote Sensing

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 360) will replace the previous course (GEOG 360) for repeat benefits.*

Course Revision **CLAS22.23.05.047** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 361 - Geographic Measurement and Quantitative Analysis

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 361) will replace the previous course (GEOG 361) for repeat benefits.*

Course Revision **CLAS22.23.05.048** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 362 - Geography of Urban Systems

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 362) will replace the previous course (GEOG 362) for repeat benefits.*

Course Revision **CLAS22.23.05.049** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 368 - Climate Change: Science, Impacts, and Mitigation

*Rationale: Revised course designator to coordinate with department merger. **Repeat***

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Statement: The revised course (EAE 368) will replace the previous course (GEOG 368) for repeat benefits.

Course Revision **CLAS22.23.05.050** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 370 - Regional Climatology

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 105 and ~~GEOG~~ **EAE** 106, or MET 300. CRQ: STAT 200.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 370) will replace the previous course (GEOG 370) for repeat benefits.*

Course Revision **CLAS22.23.05.051** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 382 - Geography of Disease and Health

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 382) will replace the previous course (GEOG 382) for repeat benefits.*

Course Revision **CLAS22.23.05.052** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 390 - Topics in Geography

Current or special interest multiple sections of ~~GEOG~~ **EAE** 390 simultaneously.

↓

Credits: 1-3

*Rationale: Revised course designators to coordinate with department merger. **Repeat Statement:** The revised course (EAE 390) will replace the previous course (GEOG 390) for repeat benefits.*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.053** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

~~GEOG 391~~ **EAE 400** - Internship

~~A. Physical Geography~~
~~B. Environmental Management~~
~~C. Meteorology/Climatology~~
~~D. Regional Geography~~
~~E. Human Geography~~
~~G. Urban/Economic Geography~~
~~J. Methods and Techniques~~
~~K. Mapping/Geovisualization~~
~~M. Geomatics/Surveying~~

Work as an intern in ~~Each letter category in~~ **M**ay be repeated to a maximum of 6 semester hours. S/U grading.

↓
Credits: 1-6

*Rationale: Revised course designator and number to coordinate with department merger. This course is a combination of the current GEOL 350 and GEOG 391. The letter system has been removed to make a more general internship course (EAE 400) for all students across the major. GEOL 350 has been deleted. **Repeat Statement:** The revised course (EAE 400) will replace the previous course (GEOG 391) for repeat benefits. EAE 400 will also replace GEOG 350 for repeat benefits.*

Course Revision **CLAS22.23.05.054** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

~~GEOG 401X~~ **EAE 402X** - Third Clinical Secondary School Experience in History/Social Sciences

Cross-listed as ANTH 401X, ECON 401X, HIST 401, POLS 401X, PSYC 401X, and SOCI 401X. Discipline-based clinical S/U grading.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Prerequisites & Notes

PRQ: Consent of department. CRQ: ~~HIST 496 (or cross-listed sections)~~ ANTH 496X or EAE 496X or ECON 496X or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to match parent course. **Repeat Statement:** The revised course (EAE 402X) will replace the previous course (GEOG 401X) for repeat benefits.*

Course Revision **CLAS22.23.05.055** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 402~~ EAE 417 - Pedology

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 417) will replace the previous course (GEOG 402) for repeat benefits.*

Course Revision **CLAS22.23.05.056** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 403~~ EAE 418 - Soils and Environmental Land Use Planning

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 418) will replace the previous course (GEOG 403) for repeat benefits.*

Course Revision **CLAS22.23.05.057** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 404~~ EAE 423 - Soil Description and Interpretation

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ EAE 302 or ~~GEOG 402~~ EAE 417 or consent of department.

Credits: 2

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator/number. **Repeat Statement:** The revised course (EAE 423) will replace the previous course (GEOG 404) for repeat benefits.*

Course Revision **CLAS22.23.05.058** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 406 - ~~Natural Hazards and Environmental Risk~~ **Science of Disaster**

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 101 or ~~GEOG~~ **EAE** 105 or **EAE 120** or ~~GEOG~~ **EAE** 306 or ~~GEOG~~ **EAE** 309 or consent of the department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Course title is outdated and does not appropriately reflect contemporary material in the course. This integrative course blends physical and social science to explore the fundamental scientific reasoning and societal components of environmental disasters in the 21st century. This title more directly reflects the course content. Update PRQ to reflect new designators/numbers. **Repeat Statement:** The revised course (EAE 406) will replace the previous course (GEOG 406) for repeat benefits.*

Course Revision **CLAS22.23.05.059** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 407 - Technological Hazards

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 359.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 407) will replace the previous course (GEOG 407) for repeat benefits.*

Course Revision **CLAS22.23.05.060** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 413~~ **EAE 413** - Forest Ecology and Management

↓

Prerequisites & Notes

PRQ: ~~GEOG 322 or~~ BIOS 103 **or EAE 322**, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator/number. **Repeat Statement:** The revised course (EAE 413) will replace the previous course (GEOG 413) for repeat benefits.*

Course Revision **CLAS22.23.05.061** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 422~~ **EAE 422** - Plant-Soil Interactions

Cross-listed as *BIOS 422X*. Chemical and Lecture, laboratory, and field experience.

Prerequisites & Notes

PRQ: BIOS 103; and ~~GEOG 302~~ **EAE 302**, or consent of department.

Credits: 4

*Rationale: Revised course designator to coordinate with department merger. Update PRQ designator and remove comma after BIOS 103. PRQ should read “BIOS 103 and EAE 302, or consent of department.” **Repeat Statement:** The revised course (EAE 422) will replace the previous course (GEOG 422) for repeat benefits.*

Course Revision **CLAS22.23.05.062** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 425~~ **EAE 424** - Geography of Food and Agriculture

Rationale: Revised course designator and number to coordinate with department merger.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Repeat Statement: The revised course (EAE 424) will replace the previous course (GEOG 425) for repeat benefits.

Course Revision **CLAS22.23.05.063** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 430 - Population, Society, and the Environment Geography

Geographic perspective on ~~overpopulation, immigration, environmental degradation, development, and human rights~~ the population dynamics of fertility, mortality, migration, and composition and their implications for society, resources, and the physical world. ~~Fundamentals of fertility, mortality, migration, and composition. Discussion of both~~ Introduction to conceptual and empirical approaches, data sources, and analytical techniques, including GIS, used in the study of population focusing on national and international population and public policy issues.

Prerequisites & Notes

PRQ: ~~3 semester hours in geography or sociology,~~ **EAE 256** or consent of department.

Credits: 3

Rationale: Revised course designator to coordinate with department merger. The revised catalog description reflects the expanded scope of the course to include descriptive and analytical geographical approaches in the study of the interaction of populations and their environments. An additional goal of the modified course is to use Open Access sources such as gridded population data, DEMs/DTMs, LULC maps, global floodplain data, and certain MESH format data so that EAE 430 can be used as an elective for the GIS certificate.

Repeat Statement: The revised course (EAE 430) will replace the previous course (GEOG 430) for repeat benefits.

Course Revision **CLAS22.23.05.064** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 432 - GIS for Public and Environmental Health

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 432) will replace the previous course (GEOG 432) for repeat benefits.*

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.065** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 435X - Space in Language and Culture

Cross-listed as ANTH 435. Exploration of how cultural and individual realizations.

Prerequisites & Notes

PRQ: ANTH 230 or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Addition of PRQ required by parent course (ANTH 435). **Repeat Statement:** The revised course (EAE 435X) will replace the previous course (GEOG 435X) for repeat benefits.*

Course Revision **CLAS22.23.05.066** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 451 - Political Geography

↓

Prerequisites & Notes

PRQ: 3 semester hours in geography **EAE or **POLS** political science or consent of department.**

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ. **Repeat Statement:** The revised course (EAE 451) will replace the previous course (GEOG 451) for repeat benefits.*

Course Revision **CLAS22.23.05.067** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 453 - Environmental Management

↓

Prerequisites & Notes

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: ~~GEOG~~ **EAE** 101 or ~~GEOG~~ **EAE** 253 or ENVS 302 or ENVS 303 or ENVS 304 or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 453) will replace the previous course (GEOG 453) for repeat benefits.*

Course Revision **CLAS22.23.05.068** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 455 - Land-Use Planning

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 455) will replace the previous course (GEOG 455) for repeat benefits.*

Course Revision **CLAS22.23.05.069** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 458~~ **EAE 452** - Geovisualization

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 359 or consent of department.

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 452) will replace the previous course (GEOG 458) for repeat benefits.*

Course Revision **CLAS22.23.05.070** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 459 - Geographic Information Systems

↓

Prerequisites & Notes

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: ~~GEOG~~ **EAE** 359 or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 459) will replace the previous course (GEOG 459) for repeat benefits.*

Course Revision **CLAS22.23.05.071** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 460 - Remote Sensing of the Environment

↓

Prerequisites & Notes

PRQ: MATH 210 or MATH 211 or MATH 229, and ~~GEOG~~ **EAE** 360 or MET 360.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 460) will replace the previous course (GEOG 460) for repeat benefits.*

Course Revision **CLAS22.23.05.072** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 461 - Applied Statistics in Geographic Research

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 461) will replace the previous course (GEOG 461) for repeat benefits.*

Course Revision **CLAS22.23.05.073** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 463 - Urban Geography

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 463) will replace the previous course (GEOG 463)*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

for repeat benefits.

Course Revision **CLAS22.23.05.074** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 464~~ **EAE 465** - Location Analysis

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 256.

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 465) will replace the previous course (GEOG 464) for repeat benefits.*

Course Revision **CLAS22.23.05.075** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 465~~ **EAE 475** - Geographic Field Work

Field problems of urban, economic, cultural, and physical geography. Lecture, laboratory, and field experience.

↓

Credits: 3-8

*Rationale: Revised course designator and number to coordinate with department merger. Separate the words urbaneconomic and insert comma. **Repeat Statement:** The revised course (EAE 475) will replace the previous course (GEOG 465) for repeat benefits.*

Course Revision **CLAS22.23.05.076** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 467 - Workshop in Cartography

↓

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 359 and consent of department.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 467) will replace the previous course (GEOG 467) for repeat benefits.*

Course Revision **CLAS22.23.05.077** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 468~~ **EAE 466** - Workshop in GIS



Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 359 and consent of department.

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 466) will replace the previous course (GEOG 468) for repeat benefits.*

Course Revision **CLAS22.23.05.078** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 470 - Web Mapping



Prerequisites & Notes

CRQ: ~~GEOG~~ **EAE** 459 or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 470) will replace the previous course (GEOG 470) for repeat benefits.*

Course Revision **CLAS22.23.05.079** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG 490~~ **EAE 487** - Community Geography

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog



Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 359, STAT 200, and at least 15 semester hours in geography **EAE** or **MET** meteorology.

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 487) will replace the previous course (GEOG 490) for repeat benefits.*

Course Revision

CLAS22.23.05.080

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 492 - Hydrology

~~Cross-listed as GEOL 492X.~~ Quantitative examination of the properties, occurrence, distribution, and Lecture, laboratory, and field trip.

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 101 and ~~GEOG~~ **EAE** 102, or ~~GEOL~~ **EAE** 120; and MATH 210 or MATH 211 or MATH 229.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Remove GEOL cross-listing. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 492) will replace the previous course (GEOG 492) for repeat benefits. Students should also receive repeat benefits for EAE 492 if they previously took GEOL 492X which has been deleted.*

Course Revision

CLAS22.23.05.081

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 493 - Computer Programming for the Geosciences

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 493) will replace the previous course (GEOG 493)*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

for repeat benefits.

Course Revision **CLAS22.23.05.082** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOG~~ **EAE** 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as ANTH 496X, ECON 496X, HIST 496, POLS 496X, PSYC 496X, and SOCI 496X. Organization and presentation grades and secondary levels.

*Rationale: Revised course designator to coordinate with department merger. **Repeat***

***Statement:** The revised course (EAE 496X) will replace the previous course (GEOG 496X) for repeat benefits.*

Course Revision **CLAS22.23.05.083** 2022-23 UG Catalog [LINK](#)

Current Course Component: SEM Proposed Course Component: SEM (no change)

~~GEOG 498~~ **EAE 495** - Seminar in Current Problems

- A. ~~Physical Geography~~ **Climate Science**
- B. ~~Environmental Management~~ **Earth and Planetary Science**
- C. ~~Meteorology/Climatology~~ **Earth and Space Science Education**
- D. ~~Regional Geography~~ **Environment and Society**
- E. ~~Human Geography~~ **Geospatial Systems**
- G. ~~Urban/Economic Geography~~ **Water and Soil Science**
- J. ~~Methods and Techniques~~
- K. ~~Mapping/Geovisualization~~

Selected topics in the various subfields of ~~geography~~ **earth, atmosphere, and environmental topics**. May be repeated to a maximum of 6 semester hours as the topic changes. Students may register for multiple sections of ~~GEOG 498~~ **EAE 495** simultaneously.

↓

Credits: 3

Rationale: Revised course designator and number to coordinate with department merger. The catalog language has been revised to reflect the emphasis areas in the new department

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

of Earth, Atmosphere and Environment. **Repeat Statement:** The revised course (EAE 495) will replace the previous course (GEOG 498) for repeat benefits.

Course Revision **CLAS22.23.05.084** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 101~~ **EAE 107** - Geology of the National Parks

Rationale: Revised course designator and number to coordinate with department merger.
Repeat Statement: The revised course (EAE 107) will replace the previous course (GEOL 101) for repeat benefits.

Course Revision **CLAS22.23.05.085** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 102~~ **EAE 103** - Planetary and Space Science

Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 103) will replace the previous course (GEOL 103) for repeat benefits.

Course Revision **CLAS22.23.05.086** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 103~~ **EAE 104** - Introduction to Ocean Science

Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 104) will replace the previous course (GEOL 104) for repeat benefits.

Course Revision **CLAS22.23.05.087** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 105~~ **EAE 108** - ~~Geologic Resources and the~~ Environmental Geology

Rationale: Revised course designator and number to coordinate with department merger.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*The proposed course name is more in line with the course content. **Repeat Statement:** The revised course (EAE 108) will replace the previous course (GEOL 105) for repeat benefits.*

Course Revision **CLAS22.23.05.088** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 120 - Planet Earth

Exploration of the diverse processes For a more comprehensive understanding of the subject, concurrent registration in ~~GEOL~~ **EAE** 121 is strongly recommended.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 120) will replace the previous course (GEOL 120) for repeat benefits.*

Course Revision **CLAS22.23.05.089** 2022-23 UG Catalog [LINK](#)

Current Course Component: LAB Proposed Course Component: LAB (no change)

~~GEOL~~ **EAE** 121 - Planet Earth Laboratory

↓

Prerequisites & Notes

~~CRQ: GEOL 120~~

Credits: 1

*Rationale: Revised course designator to coordinate with department merger. The laboratory has developed as a stand-alone hands-on course. Our intent with removing the CRQ is to make the lab more accessible to students who have completed EAE 120 in previous semesters or who intend to take a single stand-alone lab credit. **Repeat Statement:** The revised course (EAE 121) will replace the previous course (GEOL 121) for repeat benefits.*

Course Revision **CLAS22.23.05.090** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~GEOL~~ **EAE** 200 - Geoscience Career Preparation

↓

Prerequisites & Notes

PRQ: Declared major in ~~geology and environmental geosciences~~ **EAE**.

Credits: ~~1~~ **2**

*Rationale: Revised course designator to coordinate with department merger. The increase from 1 to 2 credit hours is to provide additional course time to bring in speakers (e.g., EAE faculty, alumni, and local employers) to discuss specific career paths and job opportunities. This is already done to some degree, but the 1 hr/week meeting time limits the amount of time and content that can be discussed. GEOL 200 and GEOG 300 have been combined into the new EAE 200; GEOG 300 has been deleted. **Repeat Statement:** The revised course (EAE 200) will replace the previous course (GEOL 200) for repeat benefits. The revised EAE 200 will also replace GEOG 300 for repeat benefits. GEOG 300 has been deleted.*

Course Revision

CLAS22.23.05.091

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 201 - The Professional Secondary Science Teacher

Cross-listed as CHEM 201X₇ and PHYS 201X. Introduction to the content/teaching standards.

*Rationale: Revised course designator to coordinate with department merger. Remove comma after CHEM 201X in cross-listing notation. Remove space between “/” and “teaching”. **Repeat Statement:** The revised course (EAE 201) will replace the previous course (GEOL 201) for repeat benefits.*

Course Revision

CLAS22.23.05.092

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 203 - Global Change

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 203) will replace the previous course (GEOL 203) for repeat benefits.*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.093** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 301~~ **EAE 301** - The Interdisciplinary Secondary Science Teacher

Cross-listed as BIOS 301X, CHEM 301X, and PHYS 301X. Seminar on the role of a science assessments, differentiated curriculum, and uses of technology.

Prerequisites & Notes

CRQ: ~~GEOL 414~~ **EAE 414** and ILAS 301.

Credits: 1

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 301) will replace the previous course (GEOL 301) for repeat benefits.*

Course Revision **CLAS22.23.05.094** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 303~~ **EAE 305** - Diamonds, Gems, and Other Precious Stones

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 305) will replace the previous course (GEOL 303) for repeat benefits.*

Course Revision **CLAS22.23.05.095** 2022-23 UG Catalog [LINK](#)

Current Course Component: LAB Proposed Course Component: LAB (no change)

~~GEOL 304~~ **EAE 307** - Diamonds, Gems, and Other Precious Stones Laboratory

Hands-on analyses of select gem minerals and the techniques used to characterize gems. Designed to accompany ~~GEOL 303~~ **EAE 305**. One two-hour period per week.

Prerequisites & Notes

CRQ: ~~GEOL 303~~ **EAE 305**.

Credits: 1

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator/number. **Repeat Statement:** The revised course (EAE 307) will replace the previous course (GEOL 304) for repeat benefits.*

Course Revision **CLAS22.23.05.096** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 320~~ **EAE 320** - Environments and Life Through Time

Examination of the geologic Lectures, laboratory, and two one-day field trips.
~~Not available for credit for majors. Except with departmental approval students may not receive credit from both GEOL 320 and GEOL 322.~~

↓
Credits: 4

*Rationale: Revised course designator to coordinate with department merger. GEOL 322 (EAE 323) is no longer a required course for majors and this conflict no longer exists. Other changes here are to align the course with the new EAE department. **Repeat Statement:** The revised course (EAE 320) will replace the previous course (GEOL 320) for repeat benefits.*

Course Revision **CLAS22.23.05.097** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 322~~ **EAE 323** - Paleogeography, Paleoclimatology, Paleoecology

~~Designed for Geology and Environmental Geosciences majors and minors. Methods and techniques for analysis of geological deposits, and records of geohistory of biological communities and environments on the Earth's surface... Lectures, laboratory, and a field trip. Except with departmental approval, students may not receive credit from both GEOL 320 and GEOL 322.~~

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 121, or consent of department.

Credits: 4

Rationale: Revised course designator and number to coordinate with department merger.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 323) will replace the previous course (GEOL 322) for repeat benefits.

Course Revision **CLAS22.23.05.098** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 325 - Solid Earth Composition

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 121, or consent of the department.

Credits: 4

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 325) will replace the previous course (GEOL 325) for repeat benefits.*

Course Revision **CLAS22.23.05.099** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 330 - Global Cycles

Chemical, physical, and biological interactions Laboratory analysis of environmental data drawn from geochemistry, geology, and contemporary sources such as earth-observing satellites geochemical datasets, presentation of data, and communication of scientific results.

Prerequisites & Notes

PRQ: ~~GEOL 322~~, CHEM 210, and CHEM 212.

Credits: 4

*Rationale: Revised course designator to coordinate with department merger. Revise description to reflect current content. Update PRQ because GEOL 322 (EAE 323) is no longer a required course for majors and is not offered regularly. Remove comma after 210 in PRQ. **Repeat Statement:** The revised course (EAE 330) will replace the previous course (GEOL 330) for repeat benefits.*

Course Revision **CLAS22.23.05.100** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL 335~~ **EAE 350** - Dynamics and Structure of the Earth

↓

Prerequisites & Notes

PRQ: ~~GEOL 322~~ and ~~GEOL~~ **EAE** 325.

Credits: 4

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ since GEOL 322 (EAE 323) is no longer a required course for majors and is not offered regularly. **Repeat Statement:** The revised course (EAE 350) will replace the previous course (GEOL 335) for repeat benefits.*

Course Revision

CLAS22.23.05.101

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 344X - Astronomy

Cross-listed as PHYS 344. Modern views on underlying physical principles.

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 344X) will replace the previous course (GEOL 344X) for repeat benefits.*

Course Revision

CLAS22.23.05.102

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL 375~~ **EAE 476** - Technology Applications in Geoscience

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 121 or consent of department.

Credits: 2

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 476) will replace the previous course (GEOL 375) for repeat benefits.*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.103** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

~~GEOL 401~~ **EAE 401** - Third Clinical ~~High School/Middle School~~ Experience in Earth and Space Science

↓

Prerequisites & Notes

CRQ: ~~GEOL 416X~~ **EAE 416X**.

Credits: 2

Rationale: Revised course designator to coordinate with department merger. Title revised to reflect current course content. Update PRQ to reflect new designator. Historically, our program was for grades 6-12, which is why both High and Middle school were listed in the 401 course description. Around 6 years ago, the state split middle school licensure (grades 5-8) and secondary licensure (grades 9-12) into two separate endorsements. When the state did this, our students no longer needed a clinical experience in a middle school. Currently, if a student wants to teach middle school exclusively, they major in “Middle Level Teaching and Learning (MLTL)” in the College of Education. The “secondary and middle level” language IS required for our EAE 414 class because both secondary (CLAS) and middle level (CoE) students take the course. It is not needed in EAE 401. Repeat
Statement: The revised course (EAE 401) will replace the previous course (GEOL 401) for repeat benefits.

Course Revision **CLAS22.23.05.104** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 402~~ **EAE 405** - **Advanced** Sedimentology

~~Introduction to the~~ **Detailed** study of sediments and sedimentary Lectures, two hours of laboratory, and field trips.

Prerequisites & Notes

PRQ: ~~GEOL 322 and GEOL 330~~, **EAE 340** or consent of department.

Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator and number to coordinate with department merger. GEOL 322 (EAE 323) is no longer a required course for majors and is not offered regularly. The content of EAE 330 (GEOL 330) has changed since this prerequisite was required. **Repeat Statement:** The revised course (EAE 405) will replace the previous course (GEOL 402) for repeat benefits.*

Course Revision **CLAS22.23.05.105** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 403 - The Nature of Scientific Inquiry

*Cross-listed as BIOS 403X, CHEM 403X, ENVS 403X, and PHYS 403X.
Examination of science secondary and middle school science classroom.*

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 403) will replace the previous course (GEOL 403) for repeat benefits.*

Course Revision **CLAS22.23.05.106** 2022-23 UG Catalog [LINK](#)

Current Course Component: SEM Proposed Course Component: SEM (no change)

~~GEOL~~ **EAE** 404 - Departmental Seminar

*Weekly presentations by graduate students, staff, and guests. ~~Credit earned in GEOL 404 may not be used to fulfill department requirements for undergraduate degrees.~~
May be repeated a maximum of ~~4~~ **2** semesters. S/U grading.*

Prerequisites & Notes

CRQ: ~~GEOL 322 and GEOL 325 or~~ **C** Consent of the department.

Credits: 1

*Rationale: Revised course designator to coordinate with department merger. GEOL 322 (EAE 323) is no longer a required course for majors and is not offered regularly. GEOL 325 (EAE 325) does not need to be completed for students to enroll in this course. Additional changes allow the course for credit as an upper division elective toward the major. **Repeat Statement:** The revised course (EAE 404) will replace the previous course (GEOL 404) for repeat benefits.*

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.107** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 405~~ **EAE 340** - Sedimentology and Stratigraphy

↓

Prerequisites & Notes

PRQ: ~~GEOL 405~~ **EAE 325** or consent of department.

Credits: 4

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 340) will replace the previous course (GEOL 405) for repeat benefits.*

Course Revision **CLAS22.23.05.108** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 407~~ **EAE 443** - Global Climate Change through Time

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 443) will replace the previous course (GEOL 407) for repeat benefits.*

Course Revision **CLAS22.23.05.109** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 408~~ **EAE 408** - HAZWOPER Certification

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 408) will replace the previous course (GEOL 408) for repeat benefits.*

Course Revision **CLAS22.23.05.110** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 409~~ **EAE 409X** - Water Quality

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Cross-listed as BIOS 409X, ENVS 409, and PHHE 409X. Survey of microbiological and chemical Lectures, laboratories, and a field trip.

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 409X) will replace the previous course (GEOL 409X) for repeat benefits.*

Course Revision **CLAS22.23.05.111** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 410 - Structural and Determinative Mineralogy

↓

Prerequisites & Notes

PRQ: ~~CHEM 211, CHEM 213, and GEOL~~ **EAE** 325.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. GEOL 325 (EAE 325) no longer has CHEM 211 and CHEM 213 as prerequisites; students who complete EAE 325 have the required background for this course. **Repeat Statement:** The revised course (EAE 410) will replace the previous course (GEOL 410) for repeat benefits.*

Course Revision **CLAS22.23.05.112** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 411 - Optical Mineralogy

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 325.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 411) will replace the previous course (GEOL 411) for repeat benefits.*

Course Revision **CLAS22.23.05.113** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education

Cross-listed as BIOS 414X, CHEM 414X, ENVS 414X, and PHYS 414X. Methods and theory for the teaching ... and ongoing development of a professional portfolio.

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 414) will replace the previous course (GEOL 414) for repeat benefits.*

Course Revision

CLAS22.23.05.114

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 415 - Igneous and Metamorphic Petrology

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 325 or consent of department.

Credits: 4

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 415) will replace the previous course (GEOL 415) for repeat benefits.*

Course Revision

CLAS22.23.05.115

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 416X - Methods in Teaching Physical Sciences

Cross-listed as CHEM 416X and PHYS 416. Preparation for licensure ... reading and the teaching of science; methods of evaluation.

Prerequisites & Notes

PRQ: Consent of department. CRQ: CHEM 401 or ~~GEOL~~ **EAE** 401 or PHYS 401.

Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 416X) will replace the previous course (GEOL 416X) for repeat benefits.*

Course Revision **CLAS22.23.05.116** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 419 - Elements of Geochemistry and Cosmochemistry

↓

Prerequisites & Notes

PRQ: CHEM 211, CHEM 213, and ~~GEOL~~ **EAE** 325, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 419) will replace the previous course (GEOL 419) for repeat benefits.*

Course Revision **CLAS22.23.05.117** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 420 - Geochemistry of the Earth's Surface

↓

Prerequisites & Notes

PRQ: CHEM 211, CHEM 213, and ~~GEOL~~ **EAE** 325.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 420) will replace the previous course (GEOL 420) for repeat benefits.*

Course Revision **CLAS22.23.05.118** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 421 - Environmental Geochemistry

↓

Prerequisites & Notes

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: Any 100- or 200-level ~~geology~~ **EAE** course, CHEM 211 and CHEM 213, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 421) will replace the previous course (GEOL 421) for repeat benefits.*

Course Revision **CLAS22.23.05.119** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 425 - Engineering Geology

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 325, MATH 211 or MATH 229, and PHYS 210 or PHYS 253, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 425) will replace the previous course (GEOL 425) for repeat benefits.*

Course Revision **CLAS22.23.05.120** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 427 - Planetary Geoscience

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Prerequisites & Notes

PRQ: Any 100-level ~~GEOL~~ **EAE** ~~class~~ **course** or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 427) will replace the previous course (GEOL 427) for repeat benefits.*

Course Revision **CLAS22.23.05.121** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 428 - Student Teaching (Secondary) in Earth and Space Science

Student teaching in grades 9-12, assignments made by the Department of ~~Geology and Environmental Geosciences~~ **Earth, Atmosphere and Environment**. Also see “Educator Licensure Requirements” for other regulations.

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 416X and consent of department.

Credits: 12

*Rationale: Revised course designator to coordinate with department merger. Update department name and PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 428) will replace the previous course (GEOL 428) for repeat benefits.*

Course Revision **CLAS22.23.05.122** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 429 - Inquiry-Based Field Experiences for Earth Science Teachers

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 429) will replace the previous course (GEOL 429) for repeat benefits.*

Course Revision **CLAS22.23.05.123** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 442 - Geomorphology

~~Cross-listed as GEOG 442X.~~ Systematic study of geologic processes affecting the evolution of Lecture, laboratory, and field trips.

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 101 and ~~GEOG~~ **EAE** 102, or ~~GEOL~~ **EAE** 108, or ~~GEOL~~ **EAE** 120, or ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 121.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 3

Rationale: Revised course designator to coordinate with department merger. Remove GEOG cross-listing which has been deleted. Update PRQ to reflect new designator.

Repeat Statement: The revised course (EAE 442) will replace the previous course (GEOL 442) for repeat benefits. Students should also receive repeat benefits for EAE 442 if they previously took GEOG 442X which has been deleted.

Course Revision **CLAS22.23.05.124** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 444 - Economic Geology

↓

Prerequisites & Notes

PRQ: ~~GEOL 335~~ **EAE 325** or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Students who complete GEOL 325 (EAE 325) have the required background for this course. GEOL 335 was a typo in a previous a version of the catalog. **Repeat Statement:** The revised course (EAE 444) will replace the previous course (GEOL 444) for repeat benefits.*

Course Revision **CLAS22.23.05.125** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 447 - Quantitative Techniques in Geology

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 447) will replace the previous course (GEOL 447) for repeat benefits.*

Course Revision **CLAS22.23.05.126** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 458X - Vertebrate Paleontology

Cross-listed as BIOS 458. Survey of the history ... context of their geological

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

settings.

Prerequisites & Notes

PRQ: BIOS 208, BIOS 209, BIOS 210, and BIOS 211; or EAE 320.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Add PRQ to reflect parent course requirements. **Repeat Statement:** The revised course (EAE 458X) will replace the previous course (GEOL 458X) for repeat benefits.*

Course Revision

CLAS22.23.05.127

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL 460~~ **EAE 480** - Plate Tectonics

↓

Prerequisites & Notes

PRQ: ~~GEOL 335~~ **EAE 350** or consent of department.

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 480) will replace the previous course (GEOL 460) for repeat benefits.*

Course Revision

CLAS22.23.05.128

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL 464~~ **EAE 464** - Earthquake Geophysics

↓

Prerequisites & Notes

PRQ: ~~GEOL 335~~ **EAE 350**, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 464) will replace the previous course (GEOL 464) for repeat benefits.*

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.129** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 468~~ **EAE 468** - Geomicrobiology

Cross-listed as BIOS 468X. Role of microorganisms and ecosystem studies.

Prerequisites & Notes

PRQ: ~~GEOL 120~~ **EAE 120** or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 468) will replace the previous course (GEOL 468) for repeat benefits.*

Course Revision **CLAS22.23.05.130** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 470~~ **EAE 469** - Invertebrate Paleontology

Cross-listed as BIOS 469X. Principal invertebrate Several field trips required.

Prerequisites & Notes

PRQ: Major in biological sciences or ~~geology and environmental geosciences~~ **earth, atmosphere, and environment.**

Credits: 3

*Rationale: Revised course designator and number to coordinate with department merger. Update PRQ to reflect new department name. **Repeat Statement:** The revised course (EAE 469) will replace the previous course (GEOL 470) for repeat benefits.*

Course Revision **CLAS22.23.05.131** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 471~~ **EAE 471** - Introduction to Micropaleontology

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Cross-listed as BIOS 466X. Morphology, classification, and phosphatic microfossils.

Prerequisites & Notes

~~PRQ: GEOL 322 or consent of department.~~

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. GEOL 322 (EAE 323) is no longer a required course for majors and is not offered regularly. **Repeat Statement:** The revised course (EAE 471) will replace the previous course (GEOL 471) for repeat benefits.*

Course Revision

CLAS22.23.05.132

2022-23 UG Catalog

[LINK](#)

Current Course Component: FLD

Proposed Course Component: FLD (no change)

~~GEOL~~ **EAE** 477 - Field Methods in Environmental Geosciences

Immersive training in field methods and integrative problem solving related to environmental geosciences covering topics such as field methods in hydrogeology, surface-water and to vadose-zone hydrology, water quality analysis, environmental surface geophysics, site evaluation and techniques, and regional landscape history, and environmental change. Includes fieldwork around Northern Illinois. Multiple field trips and frequent, outdoor physical activity are required. Focus on developing a Phase I and Phase II Environmental Site Assessment.

Prerequisites & Notes

PRQ: ~~GEOL 375, GEOL 390, or GEOL~~ **EAE** 490; or consent of department.

Credits: ~~4~~ **5**

*Rationale: Revised course designator to coordinate with department merger. Update PRQ. The proposed increase from 4 to 5 credits reflects an additional week (5 weeks total) that will focus on the development of a Phase II Environmental Site Assessment (ESA). During week 5 students will have an intensive scientific writing session, which includes peer-review and feedback on their written Phase I and Phase II ESAs. GEOL 375 is no longer a required course in the new EAE Emphasis 6 – Water and Soil Science. GEOL 390 has been deleted from the EAE catalog and will no longer be taught. **Repeat Statement:** The revised course (EAE 477) will replace the previous course (GEOL 477) for repeat benefits.*

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision **CLAS22.23.05.133** 2022-23 UG Catalog [LINK](#)

Current Course Component: FLD Proposed Course Component: FLD (no change)

~~GEOL~~ **EAE** 478 - Geoscientific Field Techniques I

↓

Prerequisites & Notes

PRQ: **EAE** 340, ~~GEOL 335~~ **EAE** 350, ~~GEOL 375~~, and **EAE** 476 and ~~GEOL 405~~; or consent of department.

Credits: 2

*Rationale: Revised course designator and title to coordinate with department merger. Update PRQ to reflect the new course number/designator for GEOL 335, GEOL 375, and GEOL 405. **Repeat Statement:** The revised course (EAE 478) will replace the previous course (GEOL 478) for repeat benefits.*

Course Revision **CLAS22.23.05.134** 2022-23 UG Catalog [LINK](#)

Current Course Component: FLD Proposed Course Component: FLD (no change)

~~GEOL~~ **EAE** 479 - Geoscientific Field Techniques II

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 478 or consent of department.

Credits: 2

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 479) will replace the previous course (GEOL 479) for repeat benefits.*

Course Revision **CLAS22.23.05.135** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 481 - Sedimentary Petrology

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 325 and ~~GEOL~~ **EAE** 330, or consent of department.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 481) will replace the previous course (GEOL 481) for repeat benefits.*

Course Revision **CLAS22.23.05.136** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 482 - Transition to the Professional Earth and Space Science Teacher

↓

Prerequisites & Notes

CRQ: ~~GEOL~~ **EAE** 428 or consent of department.

Credits: 2

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 482) will replace the previous course (GEOL 482) for repeat benefits.*

Course Revision **CLAS22.23.05.137** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 484X - Use of Technology in Secondary

Cross-listed as PHYS 494. Selected methods for of video/multimedia equipment.

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 484X) will replace the previous course (GEOL 484X) for repeat benefits.*

Course Revision **CLAS22.23.05.138** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 485 - Volcanology

↓

Prerequisites & Notes

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: ~~GEOL 485~~ **EAE 325** or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 485) will replace the previous course (GEOL 485) for repeat benefits.*

Course Revision **CLAS22.23.05.139** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 486X~~ **EAE 486X** - Science Teaching in the Elementary, Middle, and Junior High School: Grades K-9

Cross-listed as PHYS 492. Selected instructional supervisors and administrators.

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 486X) will replace the previous course (GEOL 486X) for repeat benefits.*

Course Revision **CLAS22.23.05.140** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 488~~ **EAE 488** - Environmental Change

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Prerequisites & Notes

PRQ: Any 100- or 200- level BIOS, ~~GEOL~~, ~~GEOL~~, ~~GEOL~~ or **EAE** course; CHEM 210 and CHEM 212; and MATH ~~229~~ **211** or MATH ~~211~~ **229**; or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. Update PRQ. **Repeat Statement:** The revised course (EAE 488) will replace the previous course (GEOL 488) for repeat benefits.*

Course Revision **CLAS22.23.05.141** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~GEOL~~ **EAE** 489 - Undergraduate Research

Independent work in geology under the direction of a faculty member. ~~Open only to seniors.~~ May be repeated to a maximum of 6 semester hours.

↓

Credits: 1-3

*Rationale: Revised course designator to coordinate with department merger. We are opening this course to any undergraduate student wishing to conduct research. Department consent is required; therefore, students must meet with a faculty advisor prior to enrolling in independent research. **Repeat Statement:** The revised course (EAE 489) will replace the previous course (GEOL 489) for repeat benefits.*

Course Revision

CLAS22.23.05.142

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 490 - Hydrogeology

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Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 121; and ~~MATH 211 or MATH 229~~, or consent of department.

Credits: 3

*Rationale: Revised course designator to coordinate with department merger. The math prerequisites are not required for the current course content. **Repeat Statement:** The revised course (EAE 490) will replace the previous course (GEOL 490) for repeat benefits.*

Course Revision

CLAS22.23.05.143

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~GEOL~~ **EAE** 491 - Geophysical Well Logging

↓

Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 325; and PHYS 210 or PHYS 253; or consent of department.

Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Rationale: Revised course designator to coordinate with department merger. Update PRQ to reflect new designator. **Repeat Statement:** The revised course (EAE 491) will replace the previous course (GEOL 491) for repeat benefits.*

Course Revision **CLAS22.23.05.144** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 493~~ **EAE 476** - Groundwater Geophysics

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 476) will replace the previous course (GEOL 493) for repeat benefits.*

Course Revision **CLAS22.23.05.145** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 494~~ **EAE 494** - Special Topics in Geology and Environmental Geosciences

*Rationale: Revised course designator to coordinate with department merger. **Repeat Statement:** The revised course (EAE 494) will replace the previous course (GEOL 494) for repeat benefits.*

Course Revision **CLAS22.23.05.146** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 496~~ **EAE 475** - Geophysics

*Rationale: Revised course designator and number to coordinate with department merger. **Repeat Statement:** The revised course (EAE 475) will replace the previous course (GEOL 496) for repeat benefits.*

Course Revision **CLAS22.23.05.147** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~GEOL 497~~ **EAE 497** - Regional Field Geology

*Rationale: Revised course designator to coordinate with department merger. **Repeat***

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Statement: The revised course (EAE 497) will replace the previous course (GEOL 497) for repeat benefits.

Course Revision **CLAS22.23.05.148** 2022-23 UG Catalog [LINK](#)

Current Course Component: THE Proposed Course Component: THE (no change)

~~GEOL~~ **EAE** 498 - Senior Thesis

Rationale: Revised course designator to coordinate with department merger. Repeat Statement: The revised course (EAE 498) will replace the previous course (GEOL 498) for repeat benefits.

Course Revision **CLAS22.23.05.149** 2022-23 UG Catalog [LINK](#)

Current Course Component: THE Proposed Course Component: THE (no change)

~~GEOL~~ **EAE** 499 - Senior Thesis - Honors

Rationale: Revised course designator to coordinate with department merger. Repeat Statement: The revised course (EAE 499) will replace the previous course (GEOL 499) for repeat benefits.

Course Revision **CLAS22.23.05.150** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

MET 300 - Meteorology

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Prerequisites & Notes

PRQ: ~~GEOL~~ **EAE** 105, ~~GEOL~~ **EAE** 106, and MATH 229.

Credits: 4

Rationale: Update PRQ to reflect new designator.

Course Revision **CLAS22.23.05.151** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

MET 410 - Weather Dynamics I



Prerequisites & Notes

PRQ: MET 300, MATH 232, and MATH 336. CRQ: CSCI 240 or ~~GEOG~~ **EAE** 493.

Credits: 4

Rationale: Update PRQ to reflect new designator.

Course Revision

CLAS22.23.05.152

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

MET 421 - Synoptic Meteorology



Prerequisites & Notes

PRQ: MET 300. CRQ: MET 360 or ~~GEOG~~ **EAE** 360.

Credits: 4

Rationale: Update PRQ to reflect new designator.

Course Revision

CLAS22.23.05.153

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

MET 430 - Micrometeorology



Prerequisites & Notes

PRQ: MET 300 and CSCI 240; or ~~GEOG~~ **EAE** 493; or consent of department.

Credits: 3

Rationale: Update PRQ to reflect new designator.

DEPARTMENT OF ECONOMICS

Course Revision

CLAS22.23.05.154

2022-23 UG Catalog

[LINK](#)

Current Course Component: CLN

Proposed Course Component: CLN (no

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

change)

ECON 401X - Third Clinical Secondary School Experience in History/Social Sciences

Cross-listed as ANTH 401X, ~~GEOG 401X~~ EAE 402X, HIST 401, POLS 401X, PSYC 401X, and SOCI 401X. Discipline-based clinical experiences ... ,,,S/U grading.

Prerequisites & Notes

PRQ: Consent of department. CRQ: ANTH 496X or EAE 496X or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

Rationale: Update course designators/numbers to coordinate with department merger.

Notification: The Department of Economics was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.155** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ECON 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as ANTH 496X, ~~GEOG~~ EAE 496X, HIST 496, POLS 496X, PSYC 496X, and SOCI 496X. Organization and grades and secondary levels.

↓
Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Economics was notified of this change via email on October 23, 2022.

ENVIRONMENTAL STUDIES

Course Revision **CLAS22.23.05.156** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENVS 403X - The Nature of Scientific Inquiry

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Cross-listed as BIOS 403X, CHEM 403X, ~~GEOL~~ **EAE** 403, and PHYS 403X. Examination of science as a body of middle school science classroom.*

↓

Credits: 2

Rationale: Update course designators to coordinate with department merger.

Notification: Environmental Studies was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.157

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ENVS 409 - Water Quality

*Cross-listed as BIOS 409X, ~~GEOL~~ **EAE** 409X, and PHHE 409X. Survey of microbiological and chemical parameters Lectures, laboratories, and a field trip.*

↓

Credits: 4

Rationale: Update course designators to coordinate with department merger.

Notification: Environmental Studies was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.158

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ENVS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education

*Cross-listed as BIOS 414X, CHEM 414X, ~~GEOL~~ **EAE** 414, and PHYS 414X. Methods and theory for the teaching of and ongoing development of a professional portfolio.*

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: Environmental Studies was notified of this change via email on October 23, 2022.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Course Revision

CLAS22.23.05.159

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ENVS 427X - Environmental Chemistry

Cross-listed as CHEM 427. Exploration of ... Three hours of lecture/week.

Prerequisites & Notes

PRQ: ~~GEOG~~ **EAE** 101 or ~~GEOG~~ **EAE** 105 or ENVS 301, and CHEM 211 and 213, or consent of the department.

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: Environmental Studies was notified of this change via email on October 23, 2022.

Other Catalog Change

CLAS22.23.05.160

2022-23 UG Catalog

[LINK](#)

Environmental Studies (B.A. or B.S.)

↓

Emphasis 1. Biodiversity and Environmental Restoration (32-38)

↓

Requirements outside Environmental Studies (11)

- BIOS 103 - General Biology Credits: 3
 - AND BIOS 105 - General Biology Laboratory Credits: 1
 - OR BIOS 209 - Fundamentals of Organismal Biology Credits: 3
 - AND BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1
- BIOS 406 - Conservation Biology Credits: 4
 - OR BIOS 407 - Restoration Ecology Credits: 3
- ~~GEOG~~ **EAE** 455 - Land-Use Planning Credits: 3
 - OR ~~GEOG~~ **EAE** 418 - Soils and Environmental Land Use Planning Credits: 3

↓

Electives (18-24)

↓

Select between one to four of the following conceptually-based courses (3-15)

- ANTH 343 - Extinction: Where the Wild Things Were Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- OR ENVS 343X - Extinction: Where the Wild Things Were Credits: 3
- ↓
- BIOS 487 - Conservation Genetics Credits: 3
- ~~GEOG~~ **EAE** 306 - Severe and Hazardous Weather Credits: 3
- **EAE 320 - Environments and Life Through Time Credits: 4**
 - OR **EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4**
- ~~GEOG~~ **EAE** 422 - Plant-Soil Interactions Credits: 4
 - OR BIOS 422X - Plant-Soil Interactions Credits: 4
- ~~GEOG~~ **EAE** 453 - Environmental Management Credits: 3
- ~~GEOL 320 - Environments and Life Through Time Credits: 4~~
 - ~~OR GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4~~
- ~~GEOL~~ **EAE** 488 - Environmental Change Credits: 3

Select between one to four of the following methods-based courses (3-15)

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
- ↓
- CHEM 427 - Environmental Chemistry Credits: 3
- **EAE 302 - Soil Science Credits: 3**
- **EAE 359 - Introduction to Geographic Information Systems Credits: 3**
- **EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3**
- **EAE 406 - Science of Disaster Credits: 3**
- **EAE 413 - Forest Ecology and Management Credits: 3**
- **EAE 418 - Soils and Environmental Land Use Planning Credits: 3**
- **EAE 487 - Community Geography Credits: 3**
- **EAE 421 - Environmental Geochemistry Credits: 3**
- **EAE 477 - Field Methods in Environmental Geosciences Credits: 5**
EAE 477 is a writing infused course.
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOL~~ **EAE** 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~GEOG 302 - Soil Science Credits: 3~~
- ~~GEOG 359 - Introduction to Geographic Information Systems Credits: 3~~
- ~~GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~GEOG 403 - Soils and Environmental Land Use Planning Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~GEOG 406 - Natural Hazards and Environmental Risk Credits: 3~~
- ~~GEOG 413 - Forest Ecology and Management Credits: 3~~
- ~~GEOG 490 - Community Geography Credits: 3~~
- ~~GEOL 390 - Introduction to Groundwater Credits: 3~~
- ~~GEOL 421 - Environmental Geochemistry Credits: 3~~
- ~~GEOL 477 - Field Methods in Environmental Geosciences Credits: 4~~
- ~~GEOL 477 is a writing-infused course.~~
- MET 430 - Micrometeorology Credits: 3
- STAT 300 - Introduction to Probability and Statistics Credits: 3

Select between one to four of the following taxonomically-based courses (3-16)

- ANTH 341 - Primatology Credits: 3
 - OR BIOS 341X - Primatology Credits: 3
- ↓
- BIOS 458 - Vertebrate Paleontology Credits: 3
 - OR ~~GEOL~~ **EAE** 458X - Vertebrate Paleontology Credits: 3
- ~~GEOL~~ **EAE** 468 - Geomicrobiology Credits: 3
 - OR BIOS 468X - Geomicrobiology Credits: 3
- ~~GEOL 470~~ **EAE** 469 - Invertebrate Paleontology Credits: 3
 - OR BIOS 469X - Invertebrate Paleontology Credits: 3
- ~~GEOL~~ **EAE** 471 - Introduction to Micropaleontology Credits: 3
 - OR BIOS 466X - Introduction to Micropaleontology Credits: 3

Emphasis 2. Energy Studies (37-38)

↓

Requirements outside Environmental Studies (13)

1. ~~GEOG~~ **EAE** 453 - Environmental Management Credits: 3
2. MATH 155 - Trigonometry and Elementary Functions Credits: 3
Available for General Education credit in the Foundational Studies
Quantitative Literacy Requirement.

↓

3. TECH 417 - Design for Energy Efficiency and Green Materials Credits: 3

↓

Select three of the following applications and natural science-based courses (9-10)

4. BIOS 106 - Environmental Biology Credits: 3
5. ↓
6. CHEM 427 - Environmental Chemistry Credits: 3
7. **EAE 256 - Maps and Mapping Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for General Education credit in the Society and Culture Domain.

8. EAE 359 - Introduction to Geographic Information Systems Credits: 3

9. EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3

10. EAE 406 - Science of Disaster Credits: 3

11. EAE 421 - Environmental Geochemistry Credits: 3

12. EAE 425 - Engineering Geology Credits: 3

13. EAE 459 - Geographic Information Systems Credits: 3

14. EAE 475 - Geophysics Credits: 3

15. ENVS 409 - Water Quality Credits: 4

16. OR BIOS 409X - Water Quality Credits: 4

17. OR ~~GEOL 409~~ EAE 409X - Water Quality Credits: 4

18. OR PHHE 409X - Water Quality Credits: 4

~~19. GEOG 256 - Maps and Mapping Credits: 3~~

~~Available for General Education credit in the Society and Culture Domain.~~

~~20. GEOG 359 - Introduction to Geographic Information Systems Credits: 3~~

~~21. GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~

~~22. GEOG 406 - Natural Hazards and Environmental Risk Credits: 3~~

~~23. GEOG 459 - Geographic Information Systems Credits: 3~~

~~24. GEOL 421 - Environmental Geochemistry Credits: 3~~

~~25. GEOL 425 - Engineering Geology Credits: 3~~

~~26. GEOL 496 - Geophysics Credits: 3~~

27. MET 430 - Micrometeorology Credits: 3

Select one of the following humanities and social sciences courses (3)

- ANTH 420 - Waterworlds Credits: 3

ANTH 420 also fulfills the Human Diversity Requirement.

- OR ENVS 420X - Waterworlds Credits: 3

ENVS 420X also fulfills the Human Diversity Requirement.

↓

- ANTH 466 - Resource Conflicts and Environmental Peacebuilding Credits: 3

- OR ENVS 466X - Resource Conflicts and Environmental Peacebuilding Credits: 3

- EAE 253 - Environment and Society Credits: 3

- EAE 424 - Geography of Food and Agriculture Credits: 3

- EAE 455 - Land-Use Planning Credits: 3

- ECON 186 - Introduction to Environmental Economics Credits: 3

Available for General Education credit in the Society and Culture Domain.

- OR ENVS 186X - Introduction to Environmental Economics Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for General Education credit in the Society and Culture Domain.

- ECON 386 - Environmental Economics Credits: 3
- ~~GEOG 253 - Environment and Society Credits: 3~~
- ~~GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- ~~GEOG 455 - Land Use Planning Credits: 3~~

- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.

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- PHIL 338 - Philosophy of Food Credits: 3

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Emphasis 3. Nature in Society (30-31)

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Requirements outside Environmental Studies (15)

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Select one of the following policy courses (3)

- ~~GEOG~~ **EAE** 453 - Environmental Management Credits: 3
- PHIL 351 - Social and Political Philosophy Credits: 3
PHIL 351 also fulfills the Human Diversity Requirement.
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.
- POLS 330 - Bureaucracy and the Public Policy Process Credits: 3
 - OR PSPA 330X - Bureaucracy and the Public Policy Process Credits: 3

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Electives (15-16)

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Select at least two of the following social science courses (6)

- ANTH 343 - Extinction: Where the Wild Things Were Credits: 3
 - OR ENVS 343X - Extinction: Where the Wild Things Were Credits: 3

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- ANTH 491 - Current Topics in Anthropology Credits: 3
Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.

- **EAE 303 - Water Resources and the Environment Credits: 3**
Available for General Education credit in the Nature and Technology Domain.
- **EAE 424 - Geography of Food and Agriculture Credits: 3**
- **EAE 430 - Population, Society, and the Environment Credits: 3**
- **EAE 453 - Environmental Management Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- **EAE 455 - Land-Use Planning Credits: 3**
 - ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ENVS 186X - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - ECON 386 - Environmental Economics Credits: 3
 - ~~GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
 - ~~GEOG 425 - Geography of Food and Agriculture Credits: 3~~
 - ~~GEOG 430 - Population Geography Credits: 3~~
 - ~~GEOG 453 - Environmental Management Credits: 3~~
 - ~~GEOG 455 - Land-Use Planning Credits: 3~~
 - MGMT 311 - Social Entrepreneurship Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
 - ↓
 - SOCI 386 - Peace and Social Justice Credits: 3
 - ↓
- ↓
Select at least one of the following science, engineering, and technology courses (3-4)
- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
 - ↓
 - BIOS 407 - Restoration Ecology Credits: 3
 - **EAE 253 - Environment and Society Credits: 3**
 - **EAE 303 - Water Resources and the Environment Credits: 3**
Available for General Education credit in the Nature and Technology Domain.
 - **EAE 320 - Environments and Life Through Time Credits: 4**
 - **EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4**
 - **EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3**
 - **EAE 455 - Land-Use Planning Credits: 3**
 - ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOL~~ **EAE** 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~GEOG 253 - Environment and Society Credits: 3~~
- ~~GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~GEOG 455 - Land Use Planning Credits: 3~~
- ~~GEOL 320 - Environments and Life Through Time Credits: 4~~
- ~~GEOL 322 - Paleogeography, Paleoclimatology, Paleocology Credits: 4~~
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
- TECH 294 - Technology and Cultural Relevance Credits: 3
Available for General Education credit in the Nature and Technology Domain.

Emphasis 4. Environmental Policy (30-31)



Requirements outside Environmental Studies (9)

Select one of the following policy/social science courses (3)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
 - OR ENVS 425X - Environment and Anthropology Credits: 3
ENVS 425X is a writing infused course.
- ANTH 432 - Nature and the Environment Across Cultures Credits: 3
 - OR ENVS 432X - Nature and the Environment across Cultures Credits: 3
- ~~GEOG 425~~ **EAE 424** - Geography of Food and Agriculture Credits: 3
- NNGO 429 - International NGOs and Globalization Credits: 3
NNGO 429 is a writing infused course.
NNGO 429 also fulfills the Human Diversity Requirement.



- POLS 410 - Constitutional Law I Credits: 3



Electives (21-22)

Select two of the following policy courses (6)

- **EAE 453 - Environmental Management Credits: 3**
- ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ENVS 186X - Introduction to Environmental Economics Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for General Education credit in the Society and Culture Domain.

- ECON 260 - Principles of Microeconomics Credits: 3
- ECON 386 - Environmental Economics Credits: 3
- ~~GEOG 453 - Environmental Management Credits: 3~~
- POLS 302 - Government in Metropolitan Areas Credits: 3
 - OR PSPA 302X - Government in Metropolitan Areas Credits: 3
- ↓
- POLS 410 - Constitutional Law I Credits: 3

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Select one of the following science, engineering, and technology courses (3-4)

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3

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- CHEM 427 - Environmental Chemistry Credits: 3
- EAE 253 - Environment and Society Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 320 - Environments and Life Through Time Credits: 4
- EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
- EAE 455 - Land-Use Planning Credits: 3
- EAE 487 - Community Geography Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOG~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~GEOG 253 - Environment and Society Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~GEOG 455 - Land-Use Planning Credits: 3~~
- ~~GEOG 490 - Community Geography Credits: 3~~
- ~~GEOG 320 - Environments and Life Through Time Credits: 4~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOL 322 - Paleogeography, Paleoclimatology, Paleocology Credits: 4~~
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
- TECH 294 - Technology and Cultural Relevance Credits: 3
Available for General Education credit in the Nature and Technology Domain.

Emphasis 5. Water Sciences (38-42)



Requirements outside Environmental Studies (14)

- EAE 101 - Introduction to Environmental Geography Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1
 - OR EAE 120 - Planet Earth Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - 1. AND EAE 121 - Planet Earth Laboratory Credits: 1
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 490 - Hydrogeology Credits: 3
- ENV 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOL~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~• GEOG 101 - Introduction to Environmental Geography Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - AND GEOG 102 - Introduction to Environmental Geography Laboratory Credits: 1
 - OR ~~GEOL~~ 120 - Planet Earth Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - 2. AND ~~GEOL~~ 121 - Planet Earth Laboratory Credits: 1~~
- ~~• GEOG 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.~~
- ~~• ~~GEOL~~ 390 - Introduction to Groundwater Credits: 3
 - ~~OR ~~GEOL~~ 490 - Hydrogeology Credits: 3~~~~

Select three of the following conceptually-based courses (9-11)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ANTH 343 - Extinction: Where the Wild Things Were Credits: 3
 - OR ENV 343X - Extinction: Where the Wild Things Were Credits: 3
- ↓
- CHEM 427 - Environmental Chemistry Credits: 3
- ~~GEOL~~ EAE 306 - Severe and Hazardous Weather Credits: 3
- EAE 421 - Environmental Geochemistry Credits: 3
- EAE 442 - Geomorphology Credits: 3
- EAE 468 - Geomicrobiology Credits: 3
 - OR BIOS 468X - Geomicrobiology Credits: 3
- EAE 475 - Geophysics Credits: 3
- EAE 476 - Groundwater Geophysics Credits: 3
- EAE 490 - Hydrogeology Credits: 3
- ~~GEOL~~ EAE 492 - Hydrology Credits: 3
 - ~~OR GEOL 492X - Hydrology Credits: 3~~
- ~~GEOL 421 - Environmental Geochemistry Credits: 3~~
- ~~GEOL 442 - Geomorphology Credits: 3~~
 - ~~OR GEOL 442X - Geomorphology Credits: 3~~
- ~~GEOL 468 - Geomicrobiology Credits: 3~~
 - ~~OR BIOS 468X - Geomicrobiology Credits: 3~~
- ~~GEOL 490 - Hydrogeology Credits: 3~~
- ~~GEOL 493 - Groundwater Geophysics Credits: 3~~
- ~~GEOL 496 - Geophysics Credits: 3~~

Select three of the following methods-based courses (9-11)

- EAE 302 - Soil Science Credits: 3
- EAE 320 - Environments and Life Through Time Credits: 4
 - OR EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
- EAE 382 - Geography of Disease and Health Credits: 3
- EAE 406 - Science of Disaster Credits: 3
- EAE 418 - Soils and Environmental Land Use Planning Credits: 3
- EAE 425 - Engineering Geology Credits: 3
- EAE 453 - Environmental Management Credits: 3
- EAE 455 - Land-Use Planning Credits: 3
- EAE 477 - Field Methods in Environmental Geosciences Credits: 5

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

EAE 477 is a writing infused course.

- EAE 487 - Community Geography Credits: 3
- EAE 491 - Geophysical Well Logging Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ~~GEOG 302 - Soil Science Credits: 3~~
- ~~GEOG 359 - Introduction to Geographic Information Systems Credits: 3~~
- ~~GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~GEOG 382 - Geography of Disease and Health Credits: 3~~
- ~~GEOG 403 - Soils and Environmental Land Use Planning Credits: 3~~
- ~~GEOG 406 - Natural Hazards and Environmental Risk Credits: 3~~
- ~~GEOG 453 - Environmental Management Credits: 3~~
- ~~GEOG 455 - Land Use Planning Credits: 3~~
- ~~GEOG 490 - Community Geography Credits: 3~~
- ~~GEOG 320 - Environments and Life Through Time Credits: 4~~
 - ~~OR GEOG 322 - Paleogeography, Paleoclimatology, Paleocology Credits: 4~~
- ~~GEOG 425 - Engineering Geology Credits: 3~~
- ~~GEOG 477 - Field Methods in Environmental Geosciences Credits: 4~~

~~GEOG 477 is a writing infused course.~~
- ~~GEOG 491 - Geophysical Well Logging Credits: 3~~
- MET 430 - Micrometeorology Credits: 3
- PHHE 351 - Elements of Environmental Health Credits: 3
- STAT 300 - Introduction to Probability and Statistics Credits: 3

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Emphasis 6. Sustainable Food Systems (36-38)

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Select five of the following courses (15-16)

- ANTH 420 - Waterworlds Credits: 3
ANTH 420 also fulfills the Human Diversity Requirement.
- EAE 302 - Soil Science Credits: 3
- EAE 424 - Geography of Food and Agriculture Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ~~GEOG 302 - Soil Science Credits: 3~~
- ~~GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- NUTR 404 - Nutrition and Community Food Systems Credits: 2-5

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- PHIL 338 - Philosophy of Food Credits: 3
- SCL 100 - Foundation of Social Change Leadership Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR NNGO 100 - Community Leadership and Civic Engagement Credits: 3
Available for General Education credit in the Society and Culture Domain.

↓

Select one of the following Urban, Community, and Policy courses (3)

- ANTH 420 - Waterworlds Credits: 3
ANTH 420 also fulfills the Human Diversity Requirement.
- ~~GEOG 425~~ EAE 424 - Geography of Food and Agriculture Credits: 3
- ~~GEOG~~ EAE 453 - Environmental Management Credits: 3
- ~~GEOG~~ EAE 455 - Land-Use Planning Credits: 3
- ~~GEOG~~ EAE 463 - Urban Geography Credits: 3
- ILAS 444 - Comparative Urbanization Credits: 3

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- PSPA 413 - Community Engagement in Public Service Agencies Credits: 3
- SOCI 335 - Immigration Credits: 3
 - ~~OR GEOG 335X - Immigration Credits: 3~~

Select one of the following Plant and Water Sciences courses (3-4)

- BIOS 209 - Fundamentals of Organismal Biology Credits: 3
 - AND BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1

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- CHEM 310 - Introductory Organic and Biological Chemistry Credits: 3
- EAE 302 - Soil Science Credits: 3
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 490 - Hydrogeology Credits: 3
- EAE 492 - Hydrology Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOG~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOG 302 - Soil Science Credits: 3~~
- ~~• GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~• GEOG 492 - Hydrology Credits: 3~~
 - ~~• OR GEOL 492X - Hydrology Credits: 3~~
- ~~• GEOL 390 - Introduction to Groundwater Credits: 3~~
- ~~• GEOL 490 - Hydrogeology Credits: 3~~

Select two of the following Health and Nutrition courses (6)

- ANTH 311 - Archaeology of Food Credits: 3
- OR ENV 311X - Archaeology of Food Credits: 3
- ANTH 449 - Primates and Food Credits: 3
- ~~GEOG~~ **EAE 382** - Geography of Disease and Health Credits: 3
- NUTR 200A - Principles of Food Preparation Credits: 3
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- PHHE 439 - Funding for Programs in Public Health Credits: 3

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Emphasis 7. Educator Licensure - Environmental Science (95-97)

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Electives in designated courses teaching environmental science concepts (12-14)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
- ↓
- BIOS 409X - Water Quality Credits: 4
- **OR EAE 409X - Water Quality Credits: 4**
- OR ENV 409 - Water Quality Credits: 4
- ~~• OR GEOL 409X - Water Quality Credits: 4~~
- OR PHHE 409X - Water Quality Credits: 4
- **EAE 253 - Environment and Society Credits: 3**
Available for General Education credit in the Nature and Technology Domain.
- **EAE 303 - Water Resources and the Environment Credits: 3**
Available for General Education credit in the Nature and Technology Domain.
- **EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3**
- **EAE 453 - Environmental Management Credits: 3**
- **EAE 455 - Land-Use Planning Credits: 3**
- ECON 386 - Environmental Economics Credits: 3
- ~~• GEOG 253 - Environment and Society Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~• GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~• GEOG 453 - Environmental Management Credits: 3~~
- ~~• GEOG 455 - Land Use Planning Credits: 3~~
- ~~• GEOL 390 - Introduction to Groundwater Credits: 3~~
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.

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- TECH 484 - Energy Management Credits: 3

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Professional education courses, including (36)

- ENVS 403X - The Nature of Scientific Inquiry Credits: 2
- OR BIOS 403X - The Nature of Scientific Inquiry Credits: 2
- OR CHEM 403X - The Nature of Scientific Inquiry Credits: 2
- OR ~~GEOL~~ **EAE** 403 - The Nature of Scientific Inquiry Credits: 2
- OR PHYS 403X - The Nature of Scientific Inquiry Credits: 2
- ENVS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
ENVS 414X is a writing infused course.
- OR BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
BIOS 414X is a writing infused course.
- OR CHEM 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
CHEM 414X is a writing infused course.
- OR ~~GEOL~~ **EAE** 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
~~GEOL~~ **EAE** 414 is a writing infused course.
- OR PHYS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
PHYS 414X is a writing infused course.
- ENVS 401 - Third Clinical High School Experience in Environmental Science Credits: 2

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- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Total Hours for a Major in Environmental Studies: 58-83 (B.A.); or 65-81 (B.S.)

*Rationale: Update course designators/numbers to coordinate with department merger.
Notification: Environmental Studies was notified of this change via email on October 23, 2022.*

Other Catalog Change **CLAS22.23.05.161** 2022-23 UG Catalog [LINK](#)

Minor in Environmental Studies (21-23)



Select from one of the following natural sciences, engineering, and technology courses (3-4)

- BIOS 406 - Conservation Biology Credits: 4
- BIOS 407 - Restoration Ecology Credits: 3
- ~~GEOL~~ **EAE 303** - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- **EAE 320 - Environments and Life Through Time Credits: 4**
- **OR EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4**
- ~~GEOL~~ **EAE 455** - Land-Use Planning Credits: 3
- ~~GEOL 320 - Environments and Life Through Time Credits: 4~~
- ~~OR GEOL 322 EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4~~
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
Available for General Education credit in the Nature and Technology Domain.

*Rationale: Update course designators/numbers to coordinate with department merger.
Notification: Environmental Studies was notified of this change via email on October 23, 2022.*

Other Catalog Change **CLAS22.23.05.162** 2022-23 UG Catalog [LINK](#)

Sustainable Food Systems (13-14)



One course from each of the following sections (9-10)

Agriculture and Sustainability (3-4)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ANTH 420 - Waterworlds Credits: 3
ANTH 420 fulfills the Human Diversity Requirement.
- OR ENVS 420X - Waterworlds Credits: 3
ENVS 420X fulfills the Human Diversity Requirement.

- BIOS 106 - Environmental Biology Credits: 3
- BIOS 209 - Fundamentals of Organismal Biology Credits: 3
- AND BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1
- **EAE 302 - Soil Science Credits: 3**
- **EAE 453 - Environmental Management Credits: 3**
- ENVS 301 - Environmental Science I: Physical Systems Credits: 3
- ENVS 302 - Environmental Science II: Biological Systems Credits: 3
- ENVS 409 - Water Quality Credits: 4
- OR BIOS 409X - Water Quality Credits: 4
- OR ~~GEOG~~ **EAE** 409X - Water Quality Credits: 4
- OR PHHE 409X - Water Quality Credits: 4
- ~~GEOG 302 - Soil Science Credits: 3~~
- ~~GEOG 453 - Environmental Management Credits: 3~~

Food and Health (3)



Rationale: Update course designators to coordinate with department merger.

Notification: Environmental Studies was notified of this change via email on October 23, 2022.

DEPARTMENT OF HISTORY

Course Revision

CLAS22.23.05.163

2022-23 UG Catalog

[LINK](#)

Current Course Component: CLN
(no change)

Proposed Course Component: CLN (no

HIST 401 - Third Clinical Secondary School Experience in History/Social Sciences

*Cross-listed as ANTH 401X, **EAE 402X**, ECON 401X, ~~GEOG 401X~~, POLS 401X, PSYC 401X, and SOCI 401X. Discipline-based clinical experiencesS/U grading.*

Prerequisites & Notes

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PRQ: Consent of department. CRQ: ANTH 496X or **EAE 496X** or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

Rationale: Update course designators/numbers to coordinate with department merger.

Notification: The Department of History was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.164

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

HIST 496 - History and Social Science Instruction for Secondary and Middle Grades Educators

*Cross-listed as ANTH 496X, **EAE 496X**, ECON 496X, ~~GEOG 496X~~, POLS 496X, PSYC 496X, and SOCI 496X. Organization and grades and secondary levels.*

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of History was notified of this change via email on October 23, 2022.

CENTER FOR NONPROFIT AND NGO STUDIES

Other Catalog Change

CLAS22.23.05.165

2022-23 UG Catalog

[LINK](#)

Nonprofit and NGO Studies (B.A. or B.S.)

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Electives (15)

- ACCY 288 - Fundamentals of Accounting Credits: 3

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- COMS 470 - Campaign Strategies and Development Credits: 3

- **EAE 202 - World Regional Geography Credits: 3**

EAE 202 also fulfills the Human Diversity Requirement.

Available for General Education credit in the Society and Culture Domain.

- **EAE 253 - Environment and Society Credits: 3**

Available for General Education credit in the Nature and Technology Domain.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 406 - Science of Disaster Credits: 3
- EAE 451 - Political Geography Credits: 3
- EAE 453 - Environmental Management Credits: 3
- ECON 260 - Principles of Microeconomics Credits: 3
- ↓
- EPFE 415 - Policy Analysis in Educational Contexts Credits: 3
- ~~GEOG 202 - World Regional Geography Credits: 3~~
~~GEOG 202 also fulfills the Human Diversity Requirement.~~
~~Available for General Education credit in the Society and Culture Domain.~~
- ~~GEOG 253 - Environment and Society Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 406 - Natural Hazards and Environmental Risk Credits: 3~~
- ~~GEOG 451 - Political Geography Credits: 3~~
- ~~GEOG 453 - Environmental Management Credits: 3~~
- HIST 354 - History of Black American Business and Entrepreneurship Credits: 3
 HIST 354 also fulfills the Human Diversity Requirement.

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Total Hours for a Major in Nonprofit and NGO Studies: 51-63 (B.A.) OR 63-68 (B.S.)

Rationale: Update course designators to coordinate with department merger.

Notification: NNGO was notified of this change via email on October 23, 2022

DEPARTMENT OF PHYSICS

Course Revision

CLAS22.23.05.166

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PHYS 201X - The Professional Secondary Science Teacher

Cross-listed as CHEM 201X, and ~~GEOG~~ EAE 201. An introduction and an introduction to science content/teaching standards.

↓

Credits: 1

Rationale: Update course designator to coordinate with department merger. Remove comma after CHEM 201 in cross-listing notation. Remove space between “/” and

“teaching”. Notification: The Department of Physics was notified of this change via email

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

on October 23, 2022.

Course Revision **CLAS22.23.05.167** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

PHYS 301X - The Interdisciplinary Secondary Science Teacher

*Cross-listed as BIOS 301X, CHEM 301X, and ~~GEOL~~ **EAE** 301. Seminar on the role of a science teacher assessments, differentiated curriculum and uses of technology.*

Prerequisites & Notes

CRQ: ILAS 301, **EAE** and PHYS 414X.

Credits: 1

Rationale: Update course designators to coordinate with department merger. Remove comma after ILAS 301 in PRQ and insert “and”. Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.168** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PHYS 344 - Astronomy

*Cross-listed as ~~GEOL~~ **EAE** 344X. Modern views underlying physical principles.*

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger. Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.169** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PHYS 403X - The Nature of Scientific Inquiry

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

*Cross-listed as BIOS 403X, CHEM 403X, **EAE 403**, and ~~ENVS 403X, and GEOL 403~~.*
Examination of science as middle school science classroom.

↓

Credits: 2

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.170

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PHYS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education

*Cross-listed as BIOS 414X, CHEM 414X, **EAE 414**, and ~~ENVS 414X, and GEOL 414~~.*
Methods and theory for and ongoing development of a professional portfolio.

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.171

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PHYS 416 - Methods in Teaching Physical Sciences

*Cross-listed as CHEM 416X and ~~GEOL~~ **EAE** 416X.* Preparation for licensure in grades 6-12 in one or and the teaching of science; methods of evaluation.

Prerequisites & Notes

PRQ: Consent of department. CRQ: CHEM 401 or ~~GEOL~~ **EAE** 401 or PHYS 401.

Credits: 3

Rationale: Update course designators to coordinate with department merger.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.172** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PHYS 492 - Science Teaching in the Elementary, Middle, and Junior High School:
Grades K-9

Cross-listed as ~~GEOL~~ **EAE** 486X. Selected instructional in the major.

↓
Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Physics was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.173** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PHYS 494 - Use of Technology in Secondary Science Teaching

Cross-listed as ~~GEOL~~ **EAE** 484X. Selected methods equipment.

↓
Credits: 2

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Physics was notified of this change via email on October 23, 2022.

DEPARTMENT OF POLITICAL SCIENCE

Course Revision **CLAS22.23.05.174** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

POLS 401X - Third Clinical Secondary School Experience in History/Social Sciences

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Cross-listed as ANTH 401X, **EAE 402X**, ECON 401X, ~~GEOG 401X~~, HIST 401, PSYC 401X, and SOCI 401X. Discipline-based clinical experiences ... S/U grading.

Prerequisites & Notes

PRQ: Consent of department. CRQ: ANTH 496X or **EAE 496X** or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

Rationale: Update course designators/numbers to coordinate with department merger.

Notification: The Department of Political Science was notified of this change via email on October 23, 2022.

Course Revision **CLAS22.23.05.175** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

POLS 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as ANTH 496X, **EAE 496X**, ECON 496X, ~~GEOG 496X~~, HIST 496, PSYC 496X, and SOCI 496X. Organization and ... grades and secondary levels.

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Political Science was notified of this change via email on October 23, 2022.

DEPARTMENT OF PSYCHOLOGY

Course Revision **CLAS22.23.05.176** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

PSYC 401X - Third Clinical Secondary School Experience in History/Social Sciences

Cross-listed as ANTH 401X, **EAE 402X**, ECON 401X, ~~GEOG 401X~~, HIST 401, POLS 401X, and SOCI 401X. Discipline-based clinical experiences ... S/U grading.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Prerequisites & Notes

PRQ: Consent of department. CRQ: ANTH 496X or **EAE 496X** or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

Credits: 1-2

*Rationale: Update course designators/numbers to coordinate with department merger.
Notification: The Department of Psychology was notified of this change via email on October 23, 2022.*

Course Revision **CLAS22.23.05.177** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PSYC 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as ANTH 496X, **EAE 496X**, ECON 496X, ~~GEOG 496X~~, HIST 496, POLS 496X, and SOCI 496X. Organization and grades and secondary levels.

↓
Credits: 3

*Rationale: Update course designators to coordinate with department merger.
Notification: The Department of Psychology was notified of this change via email on October 23, 2022.*

DEPARTMENT OF SOCIOLOGY

Course Revision **CLAS22.23.05.178** 2022-23 UG Catalog [LINK](#)

Current Course Component: CLN Proposed Course Component: CLN (no change)

SOCI 401X - Third Clinical Secondary School Experience in History/Social Sciences

Cross-listed as ANTH 401X, **EAE 402X**, ECON 401X, ~~GEOG 401X~~, HIST 401, POLS 401X, and PSYC 401X. Discipline-based clinical experiences S/U grading.

Prerequisites & Notes

PRQ: Consent of department. CRQ: ANTH 496X or **EAE 496X** or ECON 496X or ~~GEOG 496X~~ or HIST 496 or POLS 496X or PSYC 496X or SOCI 496X.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Credits: 1-2

Rationale: Update course designators/numbers to coordinate with department merger.

Notification: The Department of Sociology was notified of this change via email on October 23, 2022.

Course Revision

CLAS22.23.05.179

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

SOCI 496X - History and Social Science Instruction for Secondary and Middle Grades Educators

Cross-listed as ANTH 496X, **EAE 496X**, ECON 496X, ~~GEOG 496X~~, HIST 496, POLS 496X, and PSYC 496X. Organization and grades and secondary levels.

↓

Credits: 3

Rationale: Update course designators to coordinate with department merger.

Notification: The Department of Sociology was notified of this change via email on October 23, 2022.

**CENTER FOR THE STUDY OF WOMEN, GENDER, AND
SEXUALITY**

Course Revision

CLAS22.23.05.180

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

WGSS 324 - Women in Science

Cross-listed as ~~GEOG 324X~~ and BIOS 324X **and EAE 324X**. Why women are underrepresented of women in various scientific disciplines.

Credits: 3

Rationale: Update course designator to coordinate with department merger. Notification:

The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 23, 2022.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

OTHER COLLEGES

COLLEGE OF EDUCATION

CURRICULUM AND INSTRUCTION (LTCY, LTIC, LTLA, LTRE, MLTL, TLCI, TLEE)

Other Catalog Change

CLAS22.23.05.181

2022-23 UG Catalog

[LINK](#)

Elementary Education (B.S.Ed.)



Requirements outside Department (57)

- ARTE 383 - Teaching Art in Elementary Schools Credits: 3
 - OR MUED 360 - Fundamentals, Principles, and Practices in Elementary Music Credits: 3
- EAE 202 - World Regional Geography Credits: 3
Available for General Education credit in the Society and Culture Domain.
EAE 202 fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Origins and Influences Pathway.
 - OR EAE 205 - Introduction to Human Geography Credits: 3
- ~~• GEOG 201 - Introduction to Human Geography Credits: 3~~
 - ~~○ OR GEOG 202 - World Regional Geography Credits: 3~~
~~Available for General Education credit in the Society and Culture Domain.~~
~~GEOG 202 also fulfills the Human Diversity Requirement.~~
~~This is a society and culture general education course for the Origins and Influences Pathway.~~

1. HIST 260 - American History to 1865 Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
HIST 260 also fulfills the Human Diversity Requirement.
This is a creativity and critical analysis general education course for the Social Justice and Diversity Pathway.



2. SESE 456 - Methods for Collaboration and Inclusion for Elementary Education Teachers Credits: 3



Science laboratory

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog



Earth and Space Science Courses

3. ~~GEOG~~ **EAE** 101 - Introduction to Environmental Geography Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
4. OR ~~GEOG~~ **EAE** 101 - Introduction to Environmental Geography Credits: 3 AND ~~GEOG~~ **EAE** 102 - Introduction to Environmental Geography Laboratory Credits: 1
~~GEOG 101 is a nature and technology general education course for the Global Connections Pathway.~~
5. OR **EAE** 103 - Planetary and Space Science Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
6. OR ~~GEOG~~ **EAE** 105 - Weather, Climate, and You Credits: 3
Available for general education credit.
7. OR ~~GEOG~~ **EAE** 105 - Weather, Climate, and You Credits: 3 AND ~~GEOG~~ **EAE** 106 - Weather and Climate Laboratory Credits: 1
8. ~~OR GEOL 103 - Planetary and Space Science Credits: 3~~
~~Available for general education credit.~~
~~This is a nature and technology general education course for the Origins and Influences Pathway.~~
9. OR ~~GEOL 105~~ **EAE** 108 - ~~Geologic Resources and the~~ Environmental **Geology** Credits: 3
Available for general education credit.
10. OR ~~GEOL~~ **EAE** 120 - Planet Earth Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
11. OR ~~GEOL~~ **EAE** 120 - Introductory Geology Credits: 3 AND ~~GEOL~~ **EAE** 121 - Planet Earth Laboratory Credits: 1
Both ~~GEOL~~ **EAE** 120 and ~~GEOL~~ **EAE** 120 are available for general education credit.
12. OR PHYS 162 - Elementary Astronomy Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.

Select one of the following areas of study:



BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: Update course designators and numbers to coordinate with department merger. Notification: The Department of Curriculum and Instruction was notified of this change via email on October 23, 2022.

Other Catalog Change

CLAS22.23.05.182

2022-23 UG Catalog

[LINK](#)

Middle Level Teaching and Learning (B.S.Ed.)



Professional Education Requirements (53)



One of the following in the major content area (3)

13. ~~GEOL~~ **EAE** 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3

~~GEOL~~ **EAE** 414 is a writing infused course.

14. OR BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3

BIOS 414X is a writing infused course.



15. MATH 404 - Methods of Instruction in the Mathematics Curriculum for Middle School I Credits: 3

16. MLTL 432 - Methods and Materials of Instruction for Middle Level Social Science Credits: 3

Requirements for Endorsement in One of the Following Major Content Areas:



Major Content Area Option: Science (33)

17. BIOS 208 - Fundamentals of Cellular Biology Credits: 3

18. AND BIOS 210 - Fundamentals of Cellular Biology Laboratory Credits: 1



19. CHEM 211 - General Chemistry II Credits: 3

Available for general education credit.

20. AND CHEM 213 - General Chemistry Laboratory II Credits: 1

Available for general education credit.

21. ~~GEOL~~ **EAE** 120 - Planet Earth Credits: 3

Available for general education credit.

This is a nature and technology general education course for Origins and Influences Pathway.

22. AND ~~GEOL~~ **EAE** 121 - Planet Earth Laboratory Credits: 1

Available for general education credit.

23. ~~GEOL~~ **EAE** 403 - The Nature of Scientific Inquiry Credits: 2

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- 24. OR BIOS 403X - The Nature of Scientific Inquiry Credits: 2
- 25. OR CHEM 403X - The Nature of Scientific Inquiry Credits: 2
- 26. OR ENVS 403X - The Nature of Scientific Inquiry Credits: 2
- 27. OR PHYS 403X - The Nature of Scientific Inquiry Credits: 2
- 28. PHYS 210 - General Physics I Credits: 4
Available for general education credit.
- 29. PHYS 211 - General Physics II Credits: 4
Available for general education credit.
- 30. PHYS 416 - Methods in Teaching Physical Sciences Credits: 3
- 31. OR CHEM 416X - Methods in Teaching Physical Sciences Credits: 3
- 32. OR ~~GEOL~~ **EAE** 416X - Methods in Teaching Physical Sciences Credits: 3

Major Content Area Option: Social Science (34)

- **EAE 101 - Introduction to Environmental Geography Credits: 3**
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
- **EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1**
- **EAE 202 - World Regional Geography Credits: 3**
EAE 202 also fulfills the Human Diversity Requirement.
- ECON 425 - Economic Education Credits: 1-3
 - OR ECON 160 - Contemporary Economic Issues Credits: 3
Available for general education credit.
This is a society and culture general education course for the Sustainability Pathway.
- ~~ECON 101 - Introduction to Environmental Geography Credits: 3~~
~~Available for general education credit.~~
~~This is a nature and technology general education course for the Global Connections Pathway.~~
- ~~ECON 102 - Introduction to Environmental Geography Laboratory Credits: 1~~
- ~~ECON 202 - World Regional Geography Credits: 3~~
~~ECON 202 also fulfills the Human Diversity Requirement.~~
- HIST 170 - World History I: Problems in the Human Past Credits: 3
HIST 170 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a creativity and critical analysis general education course for the Origins and Influences Pathway.
↓
- POLS 150 - Democracy in America Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for general education credit.

- OR POLS 305 - Political Parties and Elections Credits: 3
- OR POLS 307 - The U.S. Congress Credits: 3
- OR POLS 308 - The American Presidency Credits: 3
- OR POLS 310 - The U.S. Supreme Court Credits: 3

↓

Minor Content Area Option: Science (24)

- BIOS 208 - Fundamentals of Cellular Biology Credits: 3
 - AND BIOS 210 - Fundamentals of Cellular Biology Laboratory Credits: 1

↓

- CHEM 210 - General Chemistry I Credits: 3

Available for general education credit.

- AND CHEM 212 - General Chemistry Laboratory I Credits: 1

Available for general education credit.

- EAE 120 - Planet Earth Credits: 3

Available for general education credit.

This is a nature and technology general education course for the Origins and Influences Pathway.

- AND EAE 121 - Planet Earth Laboratory Credits: 1

Available for general education credit.

- EAE 403 - The Nature of Scientific Inquiry Credits: 2

- OR BIOS 403X - The Nature of Scientific Inquiry Credits: 2

- OR CHEM 403X - The Nature of Scientific Inquiry Credits: 2

- OR ENVS 403X - The Nature of Scientific Inquiry Credits: 2

- OR PHYS 403X - The Nature of Scientific Inquiry Credits: 2

- ~~GEOL~~ EAE 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3

~~GEOL~~ EAE 414 is a writing infused course.

- OR BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3

BIOS 414X is a writing infused course.

↓

- OR PHYS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3

PHYS 414X is a writing infused course.

- ~~GEOL 403 - The Nature of Scientific Inquiry Credits: 2~~

- ~~○ OR BIOS 403X - The Nature of Scientific Inquiry Credits: 2~~

- ~~○ OR CHEM 403X - The Nature of Scientific Inquiry Credits: 2~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~○ OR ENVS 403X - The Nature of Scientific Inquiry Credits: 2~~
- ~~○ OR PHYS 403X - The Nature of Scientific Inquiry Credits: 2~~
- ~~● CHEM 210 - General Chemistry I Credits: 3~~
- ~~● Available for general education credit.~~
- ~~○ AND CHEM 212 - General Chemistry Laboratory I Credits: 1~~
- ~~Available for general education credit.~~
- ~~● GEOL 120 - Planet Earth Credits: 3~~
- ~~Available for general education credit.~~
- ~~This is a nature and technology general education course for the Origins and Influences Pathway.~~
- ~~○ AND GEOL 121 - Planet Earth Laboratory Credits: 1~~
- ~~Available for general education credit.~~
- PHYS 150 - Physics Credits: 3
 - Available for general education credit.
 - AND PHYS 151 - Physics Laboratory Credits: 1
 - OR PHYS 210 - General Physics I Credits: 4
 - Available for general education credit.

Minor Content Area Option: Social Science (25)

- ~~GEOG~~ **EAE** 101 - Introduction to Environmental Geography Credits: 3
 - Available for general education credit.
 - This is a nature and technology general education course for the Global Connections Pathway.
- ~~GEOG~~ **EAE** 102 - Introduction to Environmental Geography Laboratory Credits: 1
- ~~GEOG~~ **EAE** 202 - World Regional Geography Credits: 3
 - Available for general education credit.
 - ~~GEOG~~ **EAE** 202 also fulfills the Human Diversity Requirement.
- HIST 170 - World History I: Problems in the Human Past Credits: 3
 - Available for general education credit.
 - HIST 170 also fulfills the Human Diversity Requirement.
 - This is a creativity and critical analysis general education course for the Origins and Influences Pathway.
- ↓
- POLS 100 - American Government and Politics Credits: 3
 - Available for general education credit.

↓

Rationale: Update course designators to coordinate with department merger.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Notification: The Department of Curriculum and Instruction was notified of this change via email on October 23, 2022.

COLLEGE OF ENGINEERING

DEPARTMENT OF ENGINEERING TECHNOLOGY (TECH)

Other Catalog Change

CLAS22.23.05.183

2022-23 UG Catalog

[LINK](#)

Engineering Technology (B.S.)

↓

Emphasis 4. Energy and Environmental Engineering Technology

↓

Technical Electives (6)

Two of the following:

- EAE 418 - Soils and Environmental Land Use Planning Credits: 3
- EAE 432 - GIS for Public and Environmental Health Credits: 3
- EAE 452 - Geovisualization Credits: 3
- EAE 455 - Land-Use Planning Credits: 3
- EAE 459 - Geographic Information Systems Credits: 3
- EAE 460 - Remote Sensing of the Environment Credits: 3
- ENVS 301 - Environmental Science I: Physical Systems Credits: 3
- ENVS 302 - Environmental Science II: Biological Systems Credits: 3
- ~~GEOG 403 - Soils and Environmental Land Use Planning Credits: 3~~
- ~~GEOG 432 - GIS for Public and Environmental Health Credits: 3~~
- ~~GEOG 455 - Land-Use Planning Credits: 3~~
- ~~GEOG 458 - Geovisualization Credits: 3~~
- ~~GEOG 459 - Geographic Information Systems Credits: 3~~
- ~~GEOG 460 - Remote Sensing of the Environment Credits: 3~~
- TECH 409 - Internship Credits: 3
- ↓
- TECH 479 - Special Topics in Engineering Technology Credits: 3

Requirements outside Department (27-28)

1. CHEM 110 - Chemistry Credits: 3
Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

2. AND CHEM 111 - Chemistry Laboratory Credits: 1
Available for general education credit.
3. OR CHEM 210 - General Chemistry I Credits: 3
Available for general education credit.
4. AND CHEM 212 - General Chemistry Laboratory I Credits: 1
5. EAE 256 - Maps and Mapping Credits: 3
Available for general education credit.
6. EAE 359 - Introduction to Geographic Information Systems Credits: 3
7. ENVS 304 - Environmental Law, Policy, and Economics Credits: 3
- ~~8. GEOG 256 - Maps and Mapping Credits: 3
Available for general education credit.~~
- ~~9. GEOG 359 - Introduction to Geographic Information Systems Credits: 3~~
10. MATH 155 - Trigonometry and Elementary Functions Credits: 3
Available for general education credit.
11. MATH 229 - Calculus I Credits: 4
Available for general education credit.
12. STAT 100 - Basic Statistics Credits: 3
Available for general education credit.
13. OR STAT 200 - Elementary Statistics Credits: 4

Physics requirement (4)

*Rationale: Update course designators/numbers to coordinate with department merger.
Notification: The Department of Engineering Technology was notified of this change via email on October 23, 2022.*

COLLEGE OF HEALTH AND HUMAN SCIENCES

HEALTH STUDIES (AHLs, HLTH, NUTR, PHHE)

<u>Course Revision</u>	CLAS22.23.05.184	2022-23 UG Catalog	LINK
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Current Course Component: LEC	Proposed Course Component: LEC (no change)
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PHHE 409X - Water Quality

Cross-listed as BIOS 409X, **EAE 409X**, and ENVS 409, and ~~GEOG 409X~~. Survey of microbiological and chemical parameters Lectures, laboratories, and a field trip.

↓
Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: Update course designator to coordinate with department merger.

Notification: The School of Health Sciences was notified of this change via email on October 23, 2022.

Other Catalog Change **CLAS22.23.05.185** 2022-23 UG Catalog [LINK](#)

Public Health (B.S.)



Emphasis 3. Environment and Health



Requirements outside School (28-31)

1. CHEM 310 - Introductory Organic and Biological Chemistry Credits: 3
2. CHEM 311 - Introductory Organic and Biological Chemistry Laboratory Credits: 1
3. ~~GEOG~~ **EAE** 253 - Environment and Society Credits: 3
4. PHYS 150 - Physics Credits: 3
Available for general education credit.
5. OR PHYS 210 - General Physics I Credits: 4
Available for general education credit.
6. TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
Available for general education credit.

Two of the following (6-7)

7. ~~GEOG~~ **EAE** 256 - Maps and Mapping Credits: 3
Available for general education credit.
8. ~~GEOG~~ **EAE** 302 - Soil Science Credits: 3
9. ~~GEOG~~ **EAE** 303 - Water Resources and the Environment Credits: 3
Available for general education credit.
10. ~~GEOG~~ **EAE** 382 - Geography of Disease and Health Credits: 3
11. ~~GEOG~~ **EAE** 432 - GIS for Public and Environmental Health Credits: 3



Rationale: Update course designators to coordinate with department merger.

Notification: The School of Health Sciences was notified of this change via email on October 23, 2022.

ALL UNIVERSITY SECTION

Other Catalog Change **CLAS22.23.07.25** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

General Education Requirements

↓
Knowledge Domain Course Descriptions

↓
Creativity and Critical Analysis Course Descriptions

- ANTH 102 - Temples and Tombs: Rise of Civilization Credits: 3
 - ↓
 - UBUS 110 - Business in Action Credits: 3
 - ~~WGSS 202 - Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3
- WGSS 202 also fulfills the Human Diversity Requirement.

↓
Society and Culture Course Descriptions

- ANTH 104 - Anthropology of Pop Culture: Making the Familiar Strange Credits: 3
 - ↓
 - MUHL 431 - Music of Southeast Asia Credits: 3
 - ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
 - NUTR 406 - Global Food and Nutrition Issues Credits: 3
- NUTR 406 is a writing infused course.
- ↓
- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
- WGSS 101 also fulfills the Human Diversity Requirement.
- WGSS 201 - Global Gender ~~Issues~~ **Justice** Credits: 3
 - WGSS 324 - ~~Women in Science~~ **Gender and STEM** Credits: 3
- WGSS 324 also fulfills the Human Diversity Requirement.
- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+** Studies Credits: 3
- WGSS 350 is a writing infused course.
- WGSS 350 also fulfills the Human Diversity Requirement.

Pathways

↓
Origins and Influences

↓
Select one of the following Creativity and Critical Analysis courses:

- ARTH 282 - Introduction to World Art Credits: 3
- ↓
- THEA 370 - History of Theatre and Drama I Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~WGSS 202 - Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3
WGSS 202 also fulfills the Human Diversity Requirement.

Social Justice and Diversity



Select one of the following Society and Culture courses:

- ANTH 302 - Asian American Cultures Credits: 3
ANTH 302 also fulfills the Human Diversity Requirement.
↓
- HIST 365 - African-American History Since 1865 Credits: 3
HIST 365 also fulfills the Human Diversity Requirement
- ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
- SCL 100 - Foundation of Social Change Leadership Credits: 3
↓
- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
WGSS 101 also fulfills the Human Diversity Requirement.
- ~~WGSS 324 - Women in Science~~ **Gender and STEM** Credits: 3
WGSS 324 also fulfills the Human Diversity Requirement.
 - OR BIOS 324X - Women in Science Credits: 3
BIOS 324X also fulfills the Human Diversity Requirement.
 - OR GEOG 324X - Women in Science Credits: 3
GEOG 324X also fulfills the Human Diversity Requirement.
- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+ Studies** Credits: 3
WGSS 350 is a writing infused course.
WGSS 350 also fulfills the Human Diversity Requirement.



Rationale: Revised titles for NNGO 100, WGSS 201, WGSS202, WGSS 324, and WGSS 350.

Other Catalog Change

CLAS22.23.07.26

2022-23 UG Catalog

[LINK](#)

Writing Infused Courses



List of Writing Infused Courses

- ACCY 375 - Accountancy Writing Lab Credits: 1
↓
- WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+ Studies Credits: 3**
WGSS 350 is available for general education credit.
WGSS 350 fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Social Justice and Diversity Pathway.

Rationale: Revised title for WGSS 350.

Other Catalog Change **CLAS22.23.07.27** 2022-23 UG Catalog [LINK](#)

Human Diversity Requirement List of Courses

↓
Course list

- AHLS 450 - Laboratory Management Principles and Processes Credits: 3
↓
- ANTH 429X - International NGOs and Globalization Credits: 3
ANTH 429X is a writing infused course.
- BIOS 324X - ~~Women in Science~~ **Gender and STEM** Credits: 3
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
↓
- EAE 202 - World Regional Geography Credits: 3
Available for general education credit.
- EAE 324X - ~~Women in Science~~ **Women and STEM** Credits: 3
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- ENGL 322 - Language in American Society Credits: 3
ENGL 322 is a writing infused course.
↓
- ENGL 385 - Diverse Literatures Special Topics Credits: 3
ENGL 385 is a writing infused course.
- ~~ENGL 434X - Language and Gender Credits: 3~~
- ENGL 477 - Postcolonial and New Literatures in English Credits: 3
↓
- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

This is a society and culture general education course for the Social Justice and Diversity Pathway.

- WGSS 201 - Global Gender Issues **Justice** Credits: 3
- WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3

Available for general education credit.

This is a creativity and critical analysis general education course for Origins and Influences Pathway.

- WGSS 324 - ~~Women in Science~~ **Gender and STEM** Credits: 3
- Available for general education credit.

This is a society and culture general education course for the Social Justice and Diversity Pathway.

- ~~WGSS 332 - Growing Up Girl Credits: 3~~
- WGSS 350 - ~~Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+** Studies Credits: 3

Available for General Education credit in the Society and Culture Domain.

WGSS 350 is a Writing Infused Course.

This is a society and culture general education course for the Social Justice and Diversity Pathway.

- ~~WGSS 434 - Language and Gender Credits: 3~~
- WGSS 435 - Gender and the Environment Credits: 3
- WGSS 450 - Transgender Studies Credits: 3

Rationale: Deletion of WGSS 332 and WGSS 434/ENGL434X. Revised titles for WGSS 201, WGSS 202, WGSS 324/BIOS 324X/EAE 324X, and WGSS 350.

INTER-COLLEGE INTERDISCIPLINARY PROGRAMS

<u>Other Catalog Change</u>	CLAS22.23.07.28	2022-23 UG Catalog	<u>LINK</u>
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Adolescence (12)



Group One

- EPS 307 - Development of the Adolescent Credits: 3
May be counted toward Group One if not used for the core.
Available for general education credit.
This is a society and culture general education course for Learning Pathway.



- TLCI 422 - Middle School Organization and Instruction Credits: 3
- ~~WGSS 332 - Growing Up Girl Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~WGSS 332 also fulfills the Human Diversity Requirement.~~

Rationale: Deletion of WGSS 332. Notification: The Adolescence coordinator was notified of this change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.07.29** 2022-23 UG Catalog [LINK](#)

Illinois Articulation Initiative Core Curriculum



Social and Behavioral Sciences

- ANTH 102 - Temples and Tombs: Rise of Civilization Credits: 3
IAI Number S1 903
↓
- HIST 382 - Modern Latin America Credits: 3
IAI Number S2 920N
- ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
IAI number S 9900
- POLS 100 - American Government and Politics Credits: 3
IAI Number S5 900
↓
- SOCI 361 - Race and Ethnicity Credits: 3
IAI Number S7 903D

Rationale: Revision to the title of NNGO 100.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Other Catalog Change **CLAS22.23.07.30** 2022-23 UG Catalog [LINK](#)

Minor in Linguistics (18-19)



Additional Courses (15-16)

- ANTH 331 - Language and Culture Credits: 3
ANTH 331 is a writing infused course.
↓
- PSYC 400 - Psychology of Language Credits: 3
- ~~WGSS 434 - Language and Gender Credits: 3~~
~~WGSS 434 also fulfills the Human Diversity Requirement.~~
• ~~OR ENGL 434X - Language and Gender Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~ENGL 434X fulfills the Human Diversity Requirement.~~



Rationale: Deletion of WGSS 434/ENGL434X. Notification: The Linguistics coordinator was notified of this change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.07.31** 2022-23 UG Catalog [LINK](#)

Minor in Professional Communication (18)



Three of the following, including ENGL 308 and/or ENGL 403 (9)

- ENGL 207 - Fundamentals of English Grammar Credits: 3
↓
- ENGL 424 - Topics in Technical Writing Credits: 1-3
Students must take 3 credit hours in this course
ENGL 424 is a writing infused course.
- ~~ENGL 434X - Language and Gender Credits: 3~~
~~ENGL 434X fulfills the Human Diversity Requirement.~~
- ENGL 496 - Internship in Writing, Editing, or Training Credits: 1-6

Rationale: Deletion of ENGL434X. Notification: The Professional Communication coordinator was notified of this change via email on October 31, 2022.

DEPARTMENT OF BIOLOGICAL SCIENCES

Other Catalog Change **CLAS22.23.07.32** 2022-23 UG Catalog [LINK](#)

Educator Licensure - Biology



Professional Development Phase and Student Teaching



Students must satisfactorily complete a series of discipline-based pedagogy course work.

- BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
BIOS 414X is a writing infused course.
↓
- BIOS 486 - Transition to the Professional Biology Teacher Credits: 2
- **EPS 452 - Classroom Management for Adolescent Students Credits: 3**
- ~~ETT 402 - Teaching and Learning with Technology Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Additional Requirements



Rationale: ETT 402 has not met enrollment targets at times and therefore has been cancelled some semesters. Based on exit surveys from the last four years, our students have been overall dissatisfied with the quality and amount of material presented in ETT 402 and have not found it directly applicable to their teaching practice. The professor who teaches EPS 452, Classroom Management for Adolescent Students, is a former high school chemistry teacher and has committed to teaching CLAS dedicated sections for our students in the spring. He receives outstanding evaluations from licensure students who take the class. EPS 452 course is also required by other CLAS secondary licensure programs, which eliminates the possibility of the course not meeting enrollment minimums.

Paperwork was submitted for state approval in summer 2021 by secondary science educator licensure Program Director, Paul Fix. It was formally approved by the Illinois State Board of Education in fall 2021.

Impact Statement: LEPF was consulted with regard to the addition of their course to the list of requirements. The department has not identified any negative impact on course availability, enrollment, or teaching loads with this change. They are supportive of this addition.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Other Catalog Change

CLAS22.23.07.33

2022-23 UG Catalog

[LINK](#)

Educator Licensure - Chemistry



General Requirements and Information



- CHEM 401 - Third Clinical High School/Middle School Experience in Chemistry Credits: 2
- ↓
- EPS 406 - Issues in Human Development and Learning in the Middle School and High School Years Credits: 3
- **EPS 452 - Classroom Management for Adolescent Students Credits: 3**
- ~~ETT 402 - Teaching and Learning with Technology Credits: 3~~
- ILAS 201 - Introductory Clinical Experience Credits: 1
- ↓
- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: ETT 402 has not met enrollment targets at times and therefore has been cancelled some semesters. Based on exit surveys from the last four years, our students have been overall dissatisfied with the quality and amount of material presented in ETT 402 and have not found it directly applicable to their teaching practice. The professor who teaches EPS 452, Classroom Management for Adolescent Students, is a former high school chemistry teacher and has committed to teaching CLAS dedicated sections for our students in the spring. He receives outstanding evaluations from licensure students who take the class. EPS 452 course is also required by other CLAS secondary licensure programs, which eliminates the possibility of the course not meeting enrollment minimums.

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Impact Statement: LEPF was consulted with regard to the addition of their course to the list of requirements. The department has not identified any negative impact on course availability, enrollment, or teaching loads with this change. They are supportive of this addition.

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

Other Catalog Change **CLAS22.23.07.34** 2022-23 UG Catalog [LINK](#)

Earth, Atmosphere, and Environment (~~GEOG, GEOL, MET~~ **EAE**)
Go to information for this department.

Programs

Majors

- ~~Geography (B.A. or B.S.)~~
- ~~Geology and Environmental Geosciences~~ **Earth, Atmosphere and Environment (B.S.)**
- Meteorology (B.S.)

Rationale: Update department program listing.

Other Catalog Change **CLAS22.23.07.35** 2022-23 UG Catalog [LINK](#)

~~**Geography (B.A. or B.S.)**~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: This degree program is being deleted as a part of the GEOG/GEOL department merger. The GEOL undergrad program is being revised and will be the new EAE undergraduate offering.

Other Catalog Change

CLAS22.23.07.36

2022-23 UG Catalog

[LINK](#)

~~Geology and Environmental Geosciences~~ **Earth, Atmosphere and Environment (B.S.)**

~~Students planning careers as professional geologists normally complete the emphasis in geology. The emphasis in environmental geosciences is designed for students seeking a broad scientific base for pursuit of careers in professions that may utilize environmental knowledge, such as land use planning, law, political science or economics and therefore includes several courses in or related to a cross-disciplinary department of the student's choice. These courses may provide the basis for the completion of a minor in that department.~~ The major in earth, atmosphere, and environment offers the opportunity to develop a greater understanding of specific aspects of earth science, geology, geography, and atmospheric sciences by choosing electives for multiple and wide-ranging areas of study. The department also offers a certificate in geographic information science (GIS). With the proper selection of electives, the student can meet federal civil service qualification standards as a soil scientist, hydrogeologist, or hydrologist. Students planning to pursue initial educator licensure to the earth and space science education emphasis can teach in grades 9-12 ~~will usually select the emphasis in earth science education, but completion of the emphasis does not fulfill all the requirements for initial educator licensure.~~

The student learning outcomes for this degree are located at <http://www.niu.edu/assessment/clearinghouse/outcomes/index.shtml>.

Senior Thesis Requirements

Seniors having a cumulative GPA of 2.75 and having completed at least 26 semester hours in ~~geology and environmental geosciences~~ **earth, atmosphere and environment** are eligible to undertake a senior thesis. ~~It is the student's responsibility to find a faculty member willing to serve as project adviser. The Department of Geology and Environmental Geosciences cannot guarantee any student an adviser. A course permit number will not be issued until a project adviser approval form has been filed with the undergraduate adviser. A second committee member will be appointed by the departmental undergraduate committee.~~ The thesis shall be a written report prepared **with an approved advisor**, in accordance with accepted guidelines for published scientific literature and reflecting a research effort commensurate with the

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

hours of credit to be earned.

Check departmental information for any additional requirements.

Emphasis 1. ~~Geology~~ Climate Science

Requirements in Department (~~42~~ 43-44)

- EAE 104 - Introduction to Ocean Science Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
- OR EAE 101 - Introduction to Environmental Geography Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1
- EAE 105 - Weather, Climate, and You Credits: 3
Available for general education credit.
- EAE 106 - Weather and Climate Laboratory Credits: 1
- ~~○ GEOL 120 - Planet Earth Credits: 3
GEOL 120 is available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.~~
- ~~○ AND GEOL 121 - Planet Earth Laboratory Credits: 1
GEOL 121 is available for general education credit.~~
- ~~GEOL~~ EAE 200 - Geoscience Career Preparation Credits: ~~1~~ 2
- EAE 256 - Maps and Mapping Credits: 3
Available for general education credit.
- ~~○ GEOL 325 - Solid Earth Composition Credits: 4~~
- ~~○ GEOL 330 - Global Cycles Credits: 4~~
- ~~○ GEOL 335 - Dynamics and Structure of the Earth Credits: 4~~
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
 - OR EAE 443 - Global Climate Change through Time Credits: 3
- EAE 370 - Regional Climatology Credits: 3
- ~~○ GEOL 375 - Technology Applications in Geoscience Credits: 2~~
- ~~○ GEOL 405 - Sedimentology and Stratigraphy Credits: 4~~
- ~~○ GEOL 477 - Field Methods in Environmental Geosciences Credits: 4
GEOL 477 is a writing infused course.~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~○ OR GEOL 478 – Geoscientific Field Techniques Credits: 2~~
- ~~○ AND GEOL 479 – Geoscientific Field Techniques II Credits: 2~~
- ~~With prior approval from departmental undergraduate adviser, students may substitute field courses taken at other universities as long as those courses carry a combined total of at least 4 credit hours.~~
- EAE 493 - Computer Programming for the Geosciences Credits: 3
- MET 300 - Meteorology Credits: 4
- MET 360 - Radar Meteorology Credits: 3
 - OR EAE 360 - Earth from Space: Introduction to Remote Sensing Credits: 3
- Upper-division ~~GEOL~~ **EAE** course work, which may include senior thesis, selected in consultation with undergraduate ~~adviser~~ **advisor** (15 12)

Requirements outside Department (~~24~~ **11-12)**

Additional courses may be substituted with written approval of the departmental undergraduate ~~adviser~~ **advisor**.

Please note corequisite information in course descriptions.

- ~~○ CHEM 210 – General Chemistry I Credits: 3~~
~~Available for general education credit.~~
- ~~○ AND CHEM 212 – General Chemistry Laboratory I Credits: 1~~
~~Available for general education credit.~~
- ~~○ CHEM 211 – General Chemistry II Credits: 3~~
~~Available for general education credit.~~
- ~~○ AND CHEM 213 – General Chemistry Laboratory II Credits: 1~~
~~Available for general education credit.~~
- MATH 229 - Calculus I Credits: 4
Available for general education credit.
- ~~○ AND MATH 230 – Calculus II Credits: 4~~
- ~~○ OR MATH 211 – Calculus for Business and Social Science Credits: 4~~
- ~~■ AND STAT 200 – Elementary Statistics Credits: 4~~
- **PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4**
Available for general education credit.
- **STAT 200 - Elementary Statistics Credits: 4**
Available for general education credit.
- **OR STAT 300 - Introduction to Probability and Statistics Credits: 3**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~One of the following groups of courses:~~

~~Physics~~

- ~~○ PHYS 210 - General Physics I Credits: 4
Available for general education credit.~~
- ~~○ OR PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4
Available for general education credit.~~
- ~~* AND PHYS 211 - General Physics II Credits: 4
Available for general education credit.~~
- ~~○ OR PHYS 273 - Fundamentals of Physics II: Electromagnetism
Credits: 4
Available for general education credit.~~

~~OR Biological Sciences~~

- ~~○ BIOS 103 - General Biology Credits: 3
Available for general education credit.~~
- ~~○ BIOS 105 - General Biology Laboratory Credits: 1
Available for general education credit.~~
- ~~○ BIOS 209 - Fundamentals of Organismal Biology Credits: 3~~
- ~~○ BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1~~

Total Hours for Emphasis 1, ~~Geology~~ Climate Science: 66 54-56

Emphasis 2. ~~Environmental Geosciences~~ Earth and Planetary Science

Requirements in Department (~~36-39~~ 40-41)

- ~~GEOL~~ **EAE 120** - Planet Earth Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - ~~○ AND GEOL 121 - Planet Earth Laboratory Credits: 1
Available for general education credit.~~
- **EAE 121 - Planet Earth Laboratory Credits: 1**
Available for general education credit.
- ~~GEOL~~ **EAE 200** - Geoscience Career Preparation Credits: ~~2~~ **2**
- ~~GEOL~~ **EAE 325** - Solid Earth Composition Credits: 4
- ~~GEOL~~ **EAE 330** - Global Cycles Credits: 4
EAE 330 is a writing infused course.
- **EAE 340 - Sedimentology and Stratigraphy Credits: 4**
- ~~GEOL 335~~ **EAE 350** - Dynamics and Structure of the Earth Credits: 4

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOL 375 - Technology Applications in Geoscience Credits: 2~~
- ~~• GEOL 405 - Sedimentology and Stratigraphy Credits: 4~~
- EAE 476 - Technology Applications in Geoscience Credits: 2
 - OR EAE 359 - Introduction to Geographic Information Systems Credits: 3
- ~~• GEOL 477 - Field Methods in Environmental Geosciences Credits: 4~~

~~GEOL 477 is a writing infused course.~~
~~OR an approved substitute taken at another university.~~

 - ~~○ OR GEOL 478 - Geoscientific Field Techniques Credits: 2~~
 - ~~○ OR an approved substitute taken at another university.~~
 - ~~○ AND GEOL 479 - Geoscientific Field Techniques II Credits: 2~~

~~(With prior approval from departmental undergraduate adviser, students may substitute field courses taken at other universities as long as those courses carry a combined total of at least 4 credit hours.)~~
- EAE 478 - Geoscientific Field Techniques I Credits: 2
- EAE 479 - Geoscientific Field Techniques II Credits: 2

With prior approval from the departmental undergraduate adviser, students may substitute EAE 477 or field courses taken at other universities for EAE 478 and EAE 479 as long as those courses carry a combined total of at least 4 credit hours.
- Upper-division ~~GEOL~~ EAE course work (9-12) of which a minimum of 9 semester hours shall be in courses other than ~~GEOL~~ EAE 489, ~~GEOL~~ EAE 498, or ~~GEOL~~ EAE 499 (except by approval of the undergraduate adviser advisor).

Requirements outside Department (33-36 12)

- CHEM 210 - General Chemistry I Credits: 3

~~CHEM 210 is a~~ Available for general education credit.

 - AND CHEM 212 - General Chemistry Laboratory I Credits: 1

~~CHEM 212 is a~~ Available for general education credit.
- ~~• CHEM 211 - General Chemistry II Credits: 3~~

~~CHEM 211 is available for general education credit.~~

 - ~~○ AND CHEM 213 - General Chemistry Laboratory II Credits: 1~~

~~CHEM 213 is available for general education credit.~~
- MATH 229 - Calculus I Credits: 4

~~MATH 229 is a~~ Available for general education credit.

 - ~~○ AND MATH 230 - Calculus II Credits: 4~~

~~OR~~
- ~~• MATH 211 - Calculus for Business and Social Science Credits: 4~~

~~MATH 211 is available for general education credit.~~

 - ~~○ AND STAT 200 - Elementary Statistics Credits: 4~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- **PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4**
Available for general education credit.
 - **OR BIOS 208 - Fundamentals of Cellular Biology Credits: 3**
 - **AND BIOS 210 - Fundamentals of Cellular Biology Laboratory Credits: 1**

- ~~Additional Requirement: The 9-12 hours of upper-division GEOL course work and 9-12 hours of upper-division approved course work from the co-disciplinary departments must together total to a minimum of 20 hours.~~

~~One of the following groups of courses - Physics or Biological Sciences~~

~~Physics~~

- ~~PHYS 210 - General Physics I Credits: 4~~
~~Available for general education credit.~~
 - ~~OR PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4~~
~~Available for general education credit.~~
 - ~~AND PHYS 211 - General Physics II Credits: 4~~
~~Available for general education credit.~~
 - ~~OR PHYS 273 - Fundamentals of Physics II: Electromagnetism Credits: 4~~
~~Available for general education credit.~~

~~Biological Sciences~~

- ~~BIOS 103 - General Biology Credits: 3~~
~~Available for general education credit.~~
- ~~BIOS 105 - General Biology Laboratory Credits: 1~~
~~Available for general education credit.~~
- ~~BIOS 209 - Fundamentals of Organismal Biology Credits: 3~~
- ~~BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1~~

~~Upper division course work selected from the following list of courses (9-12):~~

- ~~ANTH 425 - Environment and Anthropology Credits: 3~~
- ~~ANTH 432 - Nature and the Environment Across Cultures Credits: 3~~
- ~~ANTH 445 - Primate Evolution Credits: 3~~
- ~~BIOS 442 - Evolution and the Creationist Challenge Credits: 3~~
- ~~ECON 301 - Labor Problems Credits: 3~~
- ~~ECON 386 - Environmental Economics Credits: 3~~
- ~~ENVS 301 - Environmental Science I: Physical Systems Credits: 3~~
- ~~ENVS 302 - Environmental Science II: Biological Systems Credits: 3~~
- ~~ENVS 304 - Environmental Law, Policy, and Economics Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOG 302 Soil Science Credits: 3~~
- ~~• GEOG 303 Water Resources and the Environment Credits: 3~~
~~Available for general education credit.~~
- ~~• GEOG 306 Severe and Hazardous Weather Credits: 3~~
- ~~• GEOG 359 Introduction to Geographic Information Systems Credits: 3~~
- ~~• GEOG 368 Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~• GEOG 403 Soils and Environmental Land Use Planning Credits: 3~~
- ~~• GEOG 404 Soil Description and Interpretation Credits: 2~~
- ~~• GEOG 406 Natural Hazards and Environmental Risk Credits: 3~~
- ~~• GEOG 453 Environmental Management Credits: 3~~
- ~~• GEOG 455 Land Use Planning Credits: 3~~
- ~~• GEOG 464 Location Analysis Credits: 3~~
~~GEOG 464 is a writing infused course.~~
- ~~• GEOG 498 Seminar in Current Problems Credits: 3~~
- ~~• PHHE 351 Elements of Environmental Health Credits: 3~~
- ~~• POLS 324 Politics of Environmental Health and Safety Regulation Credits: 3~~
~~POLS 324 is a writing infused course.~~

Total Hours for Emphasis 2, ~~Environmental Geosciences~~ Earth and Planetary Science: ~~69-75~~ 52-53

Emphasis 3. Earth and Space Science Education

Requirements listed in these sections are minimum requirements. Meeting these requirements will not guarantee students admission to the ~~geology and environmental geosciences~~ earth and space science educator licensure program or courses.

Completion of this emphasis does not fulfill all requirements for initial educator licensure.

Requirements in Department (~~37~~ 41-42)

- ~~GEOL~~ **EAE** 103 - Planetary and Space Science Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - OR PHYS 162 - Elementary Astronomy Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- **EAE 105 - Weather, Climate, and You Credits: 3**
Available for general education credit.
 - **AND EAE 106 - Weather and Climate Laboratory Credits: 1**
- ~~GEOL~~ **EAE 120 - Planet Earth Credits: 3**
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - ~~AND GEOL~~ **EAE 121 - Planet Earth Laboratory Credits: 1**
Available for general education credit.
- ~~GEOL~~ **EAE 200 - Geoscience Career Preparation Credits: 2**
- ~~GEOL~~ **EAE 325 - Solid Earth Composition Credits: 4**
- ~~GEOL 330 - Global Cycles Credits: 4~~
- ~~GEOL 335 - Dynamics and Structure of the Earth Credits: 4~~
- **EAE 340 - Sedimentology and Stratigraphy Credits: 4**
- ~~GEOL 401 - Third Clinical High School/Middle School Experience in Earth and Space Science Credits: 2~~
- ~~GEOL~~ **EAE 403 - The Nature of Scientific Inquiry Credits: 2**
- ~~GEOL 405 - Sedimentology and Stratigraphy Credits: 4~~
- ~~GEOL~~ **EAE 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3**
~~GEOL~~ **EAE 414** is a writing infused course.
- ~~GEOL~~ **EAE 416X - Methods in Teaching Physical Sciences Credits: 3**
- ~~GEOL 429 - Inquiry Based Field Experiences for Earth Science Teachers Credits: 3~~
- **EAE 490 - Hydrogeology Credits: 3**
- **MET 300 - Meteorology Credits: 4**
 - **OR EAE 360 - Earth from Space: Introduction to Remote Sensing Credits: 3**

Additional Requirements for Earth Science Education (6)

Upper-division course work in ~~geology and environmental geosciences~~ **EAE** or, with approval of the licensure coordinator, from other areas of earth science, usually physical geography, meteorology, or astronomy (6)

~~Total Requirements in Department (43)~~

Requirements outside Department (47-53 20)

Please note corequisite information in course descriptions.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~○ BIOS 208 – Fundamentals of Cellular Biology Credits: 3~~
 - ~~▪ AND BIOS 210 – Fundamentals of Cellular Biology Laboratory Credits: 1~~
- ~~○ BIOS 209 – Fundamentals of Organismal Biology Credits: 3~~
 - ~~▪ AND BIOS 211 – Fundamentals of Organismal Biology Laboratory Credits: 1~~
- CHEM 210 - General Chemistry I Credits: 3
Available for general education credit.
 - AND CHEM 212 - General Chemistry Laboratory I Credits: 1
Available for general education credit.
- CHEM 211 - General Chemistry II Credits: 3
Available for general education credit.
 - AND CHEM 213 - General Chemistry Laboratory II Credits: 1
Available for general education credit.
- ~~○ EPS 406 – Issues in Human Development and Learning in the Middle School and High School Years Credits: 3~~
- ~~○ ETT 402 – Teaching and Learning with Technology Credits: 3~~
- ~~○ GEOG 105 – Weather, Climate, and You Credits: 3~~
~~Available for general education credit.~~
 - ~~▪ AND GEOG 106 – Weather and Climate Laboratory Credits: 1~~
~~Available for general education credit.~~
- ~~○ ILAS 201 – Introductory Clinical Experience Credits: 1~~
- ~~○ ILAS 301 – Second Clinical Experience Credits: 1~~
- MATH 229 - Calculus I Credits: 4
Available for general education credit.
 - ~~▪ OR MATH 155 – Trigonometry and Elementary Functions Credits: 3~~
~~Available for general education credit.~~
 - **AND OR MATH 211 - Calculus for Business and Social Science Credits: 4**
Available for general education credit.
 - ~~▪ AND STAT 200 – Elementary Statistics Credits: 4~~
- PHYS 210 - General Physics I Credits: 4
Available for general education credit.
 - AND PHYS 211 - General Physics II Credits: 4
Available for general education credit.
 - ~~▪ OR PHYS 253 – Fundamentals of Physics I: Mechanics Credits: 4~~
~~Available for general education credit.~~
 - ~~▪ AND PHYS 273 – Fundamentals of Physics II: Electromagnetism Credits: 4~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~Available for general education credit.~~

- **OR BIOS 208 - Fundamentals of Cellular Biology Credits: 3**
 - **AND BIOS 210 - Fundamentals of Cellular Biology Laboratory Credits: 1**
- **AND BIOS 209 - Fundamentals of Organismal Biology Credits: 3**
 - **AND BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1**

~~○ PSYC 102 - Introduction to Psychology Credits: 3~~

~~Available for general education credit.~~

~~○ SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3~~

Total Hours for Emphasis 3, Earth and Space Science Education: ~~90-96~~ 61-62

Emphasis 4. Environment and Society

Requirements in Department (48)

- **EAE 101 - Introduction to Environmental Geography Credits: 3**

Available for general education credit.

This is a nature and technology general education course for the Global Connections Pathway.

- **AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1**

- **EAE 200 - Geoscience Career Preparation Credits: 2**

- **EAE 202 - World Regional Geography Credits: 3**

Available for general education credit.

EAE 202 also fulfills the Human Diversity Requirement.

This is a society and culture general education course for the Origins and Influences Pathway.

- **EAE 205 - Introduction to Human Geography Credits: 3**

- **EAE 253 - Environment and Society Credits: 3**

Available for general education credit.

This is a nature and technology general education course for the Social Justice and Diversity Pathway.

- **EAE 256 - Maps and Mapping Credits: 3**

Available for general education credit.

- **EAE 359 - Introduction to Geographic Information Systems Credits: 3**

Two courses from the following (6)

- **EAE 360 - Earth from Space: Introduction to Remote Sensing Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 361 - Geographic Measurement and Quantitative Analysis Credits

3

EAE 361 is a writing infused course.

- EAE 452 - Geovisualization Credits: 3
- EAE 459 - Geographic Information Systems Credits: 3
- EAE 493 - Computer Programming for the Geosciences Credits: 3
- EAE 495 - Seminar in Current Problems Credits: 3

- Upper-division EAE course work (21)

Requirements outside Department (15-19)

- BIOS 103 - General Biology Credits: 3

Available for general education credit.

- AND BIOS 105 - General Biology Laboratory Credits: 1

Available for general education credit.

- OR ENVS 302 - Environmental Science II: Biological Systems Credits: 3

- CHEM 100 - Chemistry in Everyday Life Credits: 3

Available for general education credit.

- OR CHEM 110 - Chemistry Credits: 3

Available for general education credit.

- AND CHEM 111 - Chemistry Laboratory Credits: 1

Available for general education credit.

- MATH 210 - Finite Mathematics Credits: 3

Available for general education credit.

- OR MATH 211 - Calculus for Business and Social Science Credits:

4

Available for general education credit.

- PHYS 150 - Physics Credits: 3

Available for general education credit.

- OR TECH 305 - Green Technologies Credits: 3

- OR ENVS 305X - Green Technologies Credits: 3

- STAT 200 - Elementary Statistics Credits: 4

Available for general education credit.

- OR STAT 300 - Introduction to Probability and Statistics Credits 3

Total Hours for Emphasis 4, Environment and Society: 63-67

Emphasis 5. Geospatial Systems

Requirements in Department (48)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 101 - Introduction to Environmental Geography Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
 - AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1
- EAE 200 - Geoscience Career Preparation Credits: 2
- EAE 202 - World Regional Geography Credits: 3
Available for general education credit.
EAE 202 also fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Origins and Influences Pathway.
- EAE 205 - Introduction to Human Geography Credits: 3
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 360 - Earth from Space: Introduction to Remote Sensing Credits: 3
 - OR MET 360 - Radar Meteorology Credits: 3
- EAE 361 - Geographic Measurement and Quantitative Analysis Credits: 3
EAE 361 is a writing infused course.
 - OR EAE 447 - Quantitative Techniques in Geology Credits: 3
- EAE 452 - Geovisualization Credits: 3
- EAE 459 - Geographic Information Systems Credits: 3
- EAE 493 - Computer Programming for the Geosciences Credits: 3
- EAE 495 - Seminar in Current Problems Credits: 3

One course from the following (3)

- EAE 103 - Planetary and Space Science Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
- EAE 104 - Introduction to Ocean Science Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
- EAE 107 - Geology of the National Parks Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Sustainability Pathway.
- EAE 108 - Environmental Geology Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Sustainability

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Pathway.

- EAE 120 - Planet Earth Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
- Upper-division EAE course work (12)

Requirements outside Department (12)

- CSCI 240 - Computer Programming in C++ Credits: 4
- MATH 211 - Calculus for Business and Social Science Credits: 4
Available for general education credit.
 - OR MATH 229 - Calculus I Credits: 4
Available for general education credit.
- STAT 200 - Elementary Statistics Credits: 4
Available for general education credit.

Total Hours for Emphasis 5, Geospatial Systems: 60

Emphasis 6. Water and Soil Science

Requirements in Department (45)

- EAE 101 - Introduction to Environmental Geography Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
 - AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1
 - OR EAE 120 - Planet Earth Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - AND EAE 121 - Planet Earth Laboratory Credits: 1
Available for general education credit.
- EAE 200 - Geoscience Career Preparation Credits: 2
- EAE 256 - Maps and Mapping Credits: 3
Available for general education credit.
- EAE 302 - Soil Science Credits: 3
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 408 - HAZWOPER Certification Credits: 1

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 447 - Quantitative Techniques in Geology Credits: 3
- EAE 477 - Field Methods in Environmental Geosciences: 5

EAE 477 is a writing infused course.

With prior approval from the departmental undergraduate adviser, students may substitute EAE 477 or field courses taken at other universities for EAE 478 and EAE 479 as long as those courses carry a combined total of at least 4 credit hours.

- EAE 490 - Hydrogeology Credits: 3
- EAE 492 - Hydrology Credits: 3

- Upper-division EAE course work (15)

Requirements outside Department (12)

- CHEM 210 - General Chemistry I Credits: 3
Available for general education credit.
 - AND CHEM 212 - General Chemistry Laboratory I Credits: 1
Available for general education credit.
- MATH 229 - Calculus I Credits: 4
Available for general education credit.

One of the following

- PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4
Available for general education credit.
 - OR BIOS 208 - Fundamentals of Cellular Biology Credits: 3
Available for general education credit.
 - AND BIOS 210 - Fundamentals of Cellular Biology Laboratory Credits: 1

Total Hours for Emphasis 6, Water and Soil Science: 57

Rationale: Update program requirements to coordinate with GEOG/GEOL department merger. Faculty and staff of both existing areas have been engaged in discussions for more than two years regarding how to combine their strengths, better serve the students of NIU, and to expand and enhance the scope and impact of their research, engagement, and outreach. This innovative plan will expand research collaborations and success, attract new, high-quality undergraduate students to NIU, and support the function and enhance the impact of the Northern Illinois Center for Community Sustainability. The revisions to this program will make it adaptable to changing student demographics and demand for decades to come. Emphasis 3: Earth and Space Science Rationale -- Our goal was to align the semester hour requirements so that all the (6) new EAE emphases would be comparable. Even though EAE Emphasis 3 is very similar to the previous GEOL Emphasis

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

1, the merger forced us to reevaluate our required courses, particularly in the allied sciences and outside-the-department requirements. The faculty agreed that requiring these courses presents a hurdle for students who wish to switch emphases within the EAE major.

Impact Statement: All outside departments were consulted with regard to the addition of their course to the EAE program. None of the departments identified any negative impact on course availability, enrollment, or teaching loads with this change. They are supportive of these additions.

Other Catalog Change
LINK

CLAS22.23.07.37

2022-23 UG Catalog

Meteorology (B.S.)

↓

Requirements in Department (~~34~~ **36**)

- ~~GEOG~~ **EAE** 105 - Weather, Climate, and You Credits: 3
Available for general education credit.
- ~~GEOG~~ **EAE** 106 - Weather and Climate Laboratory Credits: 1
- **EAE 200 - Geoscience Career Preparation Credits: 2**
- ~~GEOG 300 - Proseminar Credits: 1~~
- MET 300 - Meteorology Credits: 4
- MET 360 - Radar Meteorology Credits: 3
 - OR ~~GEOG~~ **EAE** 360 - Earth from Space: Introduction to Remote Sensing Credits: 3
- MET 410 - Weather Dynamics I Credits: 4
- ↓
- MET 475 - Practicum in Weather Analysis and Forecasting Credits: 1
Students must take MET 475 twice for a total of 2 semester hours.

Course work from the following (6)

- ~~GEOG~~ **EAE** 370 - Regional Climatology Credits: 3
- ~~GEOG 391~~ **EAE 400** - Internship Credits: 1-6 ~~C-Meteorology/Climatology~~
Students must take 1-3 semester hours in this course.
- ~~GEOG~~ **EAE** 406 - ~~Natural Hazards and Environmental Risk~~ **Science of Disaster** Credits: 3
- ~~GEOG~~ **EAE** 460 - Remote Sensing of the Environment Credits: 3
- ~~GEOG~~ **EAE** 461 - Applied Statistics in Geographic Research Credits: 3
- ~~GEOG 491~~ **EAE 489** - Undergraduate Research in Geography Credits: 1-3
- ~~GEOG~~ **EAE** 492 - Hydrology Credits: 3
- ~~GEOG 498~~ **EAE 495** - Seminar in Current Problems Credits: 3 ~~C~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~Meteorology/Climatology~~

- MET 291 - Field Experience in Meteorology Credits: 1-3
- ↓
- MET 491 - Undergraduate Research in Meteorology Credits: 1-3

Requirements outside Department (30-31)

↓

Recommendations

Students are advised to contact an ~~adviser~~ **advisor** early in their course of study. A suggested plan of study is available in the department office.

Total Hours for a Major in Meteorology (B.S.): ~~64-65~~ **66-67**

Rationale: Updating course designators and numbers to coordinate with the GEOG/GEOL department merger. Updating “adviser” to advisor. Updating total hours required.

Other Catalog Change

CLAS22.23.07.38

2022-23 UG Catalog

[LINK](#)

Geographic Information Systems (15)

Certificate of Undergraduate Study

This certificate is designed The Department of ~~Geographic and Atmospheric Sciences~~ **Earth, Atmosphere and Environment** reserves the right to limit enrollment in any of the certificate courses.

Requirements **(9)**

- ~~GEOG~~ **EAE** 256 - Maps and Mapping Credits: 3
Available for general education credit.
- ~~GEOG~~ **EAE** 359 - Introduction to Geographic Information Systems Credits: 3
- ~~GEOG~~ **EAE** 459 - Geographic Information Systems Credits: 3

Course work from the following with consent of ~~adviser~~ **advisor** (6)

- ~~GEOG~~ **EAE** 360 - Earth from Space: Introduction to Remote Sensing Credits: 3
- ~~GEOG 391~~ **EAE 400** - Internship Credits: 1-6 ~~J. Methods and Techniques~~
- ~~GEOG 391~~ ~~Internship Credits: 1-6~~ ~~K. Mapping/Geovisualization~~
- ~~GEOG 403~~ **EAE 418** - Soils and Environmental Land Use Planning Credits: 3
- ~~GEOG~~ **EAE** 407 - Technological Hazards Credits: 3
- ~~GEOG~~ **EAE** 432 - GIS for Public and Environmental Health Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- **EAE 452 - Geovisualization Credits: 3**
- ~~GEOG 455~~ **EAE 455 - Land-Use Planning Credits: 3**
- ~~GEOG 458 - Geovisualization Credits: 3~~
- ~~GEOG 460~~ **EAE 460 - Remote Sensing of the Environment Credits: 3**
- ~~GEOG 464~~ **EAE 465 - Location Analysis Credits: 3**
~~GEOG 464~~ **EAE 465** is a writing infused course.
 - OR OMIS 379 - Business Applications of Geographic Information Systems Credits: 3
- **EAE 466 - Workshop in GIS Credits: 3**
- ~~GEOG 467~~ **EAE 467 - Workshop in Cartography Credits: 3**
- ~~GEOG 468 - Workshop in GIS Credits: 3~~
- ~~GEOG 470~~ **EAE 470 - Web Mapping Credits: 3**
- ~~GEOG 490~~ **EAE 487 - Community Geography Credits: 3**
- ~~GEOG 491~~ **EAE 489 - Undergraduate Research in Geography Credits: 1-3**
- ~~GEOG 493~~ **EAE 493 - Computer Programming for the Geosciences Credits: 3**
- ~~GEOG 498~~ **EAE 495 - Seminar in Current Problems Credits: 3 J. Methods and Techniques**
- ~~GEOG 498 - Seminar in Current Problems Credits: 3 K. Mapping/Geovisualization~~

Rationale: Updating course designators and numbers to coordinate with the GEOG/GEOL department merger.

DEPARTMENT OF ENGLISH

Other Catalog Change **CLAS22.23.07.39** 2022-23 UG Catalog [LINK](#)

English (B.A. or B.S.)



Graduation Requirements (0-6)



Human Diversity Requirement (0-3)

- ENGL 335, ENGL 381, ENGL 382, ~~ENGL 434X~~, and ENGL 477; program electives, satisfy 3-credit hours.
- If no satisfying electives are taken, one course from the approved Human Diversity course list; may also be fulfilled by extracurricular activities. Human Diversity Course List

Writing Infused Requirements (0-3)



BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Track 2. English Studies ~~Leading to~~ **for** Secondary Licensure in English Language Arts



English Studies ~~leading to~~ **for** Secondary Licensure in English Language Arts prepares students to teach grades 9-12. Students interested in teaching English Language Arts in grades 5-8 should consult an advisor in the Department of Curriculum and Instruction. Students from other subject areas may choose to fulfill the requirements for educator licensure in English Language Arts as an additional endorsement.

Candidates for Secondary Licensure in English Language Arts (grades 9-12) must complete a minimum of 40 hours in English, pass all tests required by the State of Illinois, and complete a clinical sequence and student teaching. **Candidates must also complete required professional course work in reading instruction, human growth and development, teaching of English language learners, classroom management for adolescents, and teaching of exceptional learners.**



Additional Requirements

~~The Illinois State Board of Education (ISBE)~~ **Secondary English Education Licensure Program** requires a minimum of 100 clock hours of substantial, varied, and sequential clinical experiences prior to student teaching. **These clinical hours will be completed across three semesters.** This requirement may be satisfied by successfully completing the following courses.

- ILAS 201 - Introductory Clinical Experience Credits: 1
(must be taken concurrently with ENGL 404)
↓
- ENGL 482 - Clinical Experience in English Language Arts Credits: 1-2
(must be taken concurrently with ENGL 480.)
Students must take 1 credit hour in this course

Also Required

The ISBE and requirements for educator licensure in English Language Arts at NIU also specify that candidates in Track 2 must earn a grade of C or better for each course included in required professional course work in reading instruction, human growth and development, ~~and teaching of English Language Learners,~~ **classroom management for adolescents,** and **teaching of exceptional children learners.** Candidates should consult with the coordinator in English licensure to determine which courses satisfy these additional requirements outside the department.



Requirements for Educator Licensure in English Language Arts as an Additional

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Endorsement (24 18)

~~The ISBE specifies that candidates earn a grade of C or better in each course required for educator licensure and pass the Illinois examination for licensure in English Language Arts content. Candidates outside of the English licensure program may want to pursue a secondary English Language Arts endorsement. A grade of C or better must be earned in each course required for the endorsement, and candidates must pass the content area exam for Secondary English Language Arts. While the State requires a minimum of 18 hours of content-specific course work, the Secondary English Education Licensure Program strongly recommends that students pursuing this endorsement follow the program of study below to be prepared for the State's content area exam and to have the substantial content knowledge necessary for the teaching of English language arts.~~

~~This additional endorsement will also satisfy the requirement for an English minor. The candidate must apply to the coordinator of teacher licensure in English to declare the English minor. It is strongly recommended that students pursuing this endorsement follow this program of study.~~

- ENGL 200 - Literary Study: Research and Criticism Credits: 3
- ↓
- ENGL 479 - Theory and Research in Literature for English Language Arts Credits: 3
- ENGL 479 is a writing infused course.

~~This additional endorsement will also satisfy the requirement for an English minor. The candidate must apply to the coordinator of teacher licensure in English to declare the English minor.~~

Total Hours for a Major in English, Track 2: 40-52 (B.A.); 52-57 (B.S.)

Rationale: Deletion of the parent course for ENGL 434X, WGSS 434. Changes in the English track 2 catalog language reflect updates to program curriculum and an investment in transparency about program requirements and state requirements. In particular, we name the content that students will take in course work from the College of Education. Additionally, we more accurately reflect state requirements for "endorsements" and our program's recommendations for best acquiring content-area knowledge.
Notification: The Department of English was notified of the ENGL 434X deletion via email on October 31, 2022.

Other Catalog Change

CLAS22.23.07.40

2022-23 UG Catalog

[LINK](#)

English Course List

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ↓
Language and Linguistics Courses
- ENGL 207 - Fundamentals of English Grammar Credits: 3
 - ↓
 - ENGL 433 - Meaning Credits: 3
 - ~~ENGL 434X - Language and Gender Credits: 3~~

Rationale: Deletion of the parent course for ENGL 434X, WGSS 434. Notification: The Department of English was notified of this change via email on October 31, 2022.

ENVIRONMENTAL STUDIES

<u>Other Catalog Change</u>	CLAS22.23.07.41	2022-23 UG Catalog	<u>LINK</u>
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Environmental Studies (B.A. or B.S.)

- ↓
Emphasis 3. Nature in Society (30-31)
- ↓
Requirements outside Environmental Studies (15)

Select one of the following humanities courses (3)

- ARTH 361 - History of Sustainable Design Credits: 3
ARTH 361 is a writing infused course.
Available for General Education credit in the Society and Culture Domain.
- ↓
- PHIL 338 - Philosophy of Food Credits: 3
- WGSS 201 - Global Gender Issues **Justice** Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 201 also fulfills the Human Diversity Requirement.
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
 - OR ENVS 435X - Gender and the Environment Credits: 3
ENVS 435X also fulfills the Human Diversity Requirement.

- ↓
Electives (15-16)

↓
Select at least two of the following humanities courses (6)

- ARTH 361 - History of Sustainable Design Credits: 3
ARTH 361 is a writing infused course.
Available for General Education credit in the Creativity and Critical Analysis Domain.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

↓

- SCL 200 - Application of Social Change Leadership Credits: 3
- WGSS 201 - Global Gender Issues Justice Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 201 also fulfills the Human Diversity Requirement.
- WGSS 430 - Special Topics in Women's and Gender Studies Credits: 3
Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.

↓

Emphasis 6. Sustainable Food Systems (36-38)

↓

Select five of the following courses (15-16)

- ANTH 420 - Waterworlds Credits: 3
ANTH 420 also fulfills the Human Diversity Requirement.
- ↓
- SCL 100 - Foundation of Social Change Leadership Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ~~NNGO 100 - Community Leadership and Civic Engagement~~ Foundations of Nonprofit and NGO Studies for Social Changemakers Credits: 3
Available for General Education credit in the Society and Culture Domain.

↓

Select one of the following Social and Cultural Change courses (3)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
- ↓
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
- ~~NNGO 100 - Community Leadership and Civic Engagement~~ Foundations of Nonprofit and NGO Studies for Social Changemakers Credits: 3
Available for General Education credit in the Society and Culture Domain.
- PHIL 335 - Environmental Ethics Credits: 3
- ↓
- SOCI 379 - Collective Behavior and Social Movements Credits: 3
- WGSS 201 - Global Gender Issues Justice Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 201 also fulfills the Human Diversity Requirement.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Emphasis 7. Educator Licensure - Environmental Science (95-97)



Professional education courses, including (36)

- ENVS 403X - The Nature of Scientific Inquiry Credits: 2
↓
- EPS 406 - Issues in Human Development and Learning in the Middle School and High School Years Credits: 3
- **EPS 452 - Classroom Management for Adolescent Students Credits: 3**
- ~~ETT 402 - Teaching and Learning with Technology Credits: 3~~
- ILAS 201 - Introductory Clinical Experience Credits: 1
↓
- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

Rationale: Revised titles for NNGO 100 and WGSS 201. ETT 402 has not met enrollment targets at times and therefore has been cancelled some semesters. Based on exit surveys from the last four years, our students have been overall dissatisfied with the quality and amount of material presented in ETT 402 and have not found it directly applicable to their teaching practice. The professor who teaches EPS 452, Classroom Management for Adolescent Students, is a former high school chemistry teacher and has committed to teaching CLAS dedicated sections for our students in the spring. He receives outstanding evaluations from licensure students who take the class. EPS 452 course is also required by other CLAS secondary licensure programs, which eliminates the possibility of the course not meeting enrollment minimums.

Paperwork was submitted for state approval in summer 2021 by secondary science educator licensure Program Director, Paul Fix. It was formally approved by the Illinois State Board of Education in fall 2021.

Impact Statement: LEPF was consulted with regard to the addition of their course to the list of requirements. The department has not identified any negative impact on course availability, enrollment, or teaching loads with this change. They are supportive of this addition.

Notification: Environmental Studies was notified of the NNGO and WGSS changes via email on October 31, 2022.

Other Catalog Change

CLAS22.23.07.42

2022-23 UG Catalog

[LINK](#)

Sustainable Food Systems (13-14)



**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Social and Cultural (3)



- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
↓
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
- ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
Available for General Education credit in the Society and Culture Domain.
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
↓
- SCL 200 - Application of Social Change Leadership Credits: 3
Available for General Education credit in the Society and Culture Domain.

Rationale: Revision to the title of NNGO 100 and addition of gen ed notation. Notification: Environmental Studies was notified of this change via email on October 31, 2022.

CENTER FOR NONPROFIT AND NGO STUDIES

New Course

CLAS22.23.07.43

2022-23 UG Catalog

[LINK](#)

CIP Code: 52.0206

Course Component: LEC

NNGO 201 - Nonprofit and NGO Career Exploration

Preparing for early career activity to identify career paths and the development of skills, such as resume creation, interviewing techniques, and adopting professional ethics frameworks. Providing coaching, networking, and mentoring opportunities. S/U Grading.

Prerequisites & Notes

PRQ: NNGO major or minor.

Credits: 1

Rationale: We know our students need additional support to think through career options, and then prepare for life after graduation. In the past, some of this preparation had been part of the capstone but that is too late (last semester) and there are significant learning objectives already part of the capstone course. Because NNGO is an interdisciplinary

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

degree, with many options depending on the student's interest, we think it is even more critical for students to be supported in their transition from student to workforce or graduate school. This course would be added to the list of electives for the NNGO major and minor. Ideally, the student would take this course as a sophomore or junior. Non-Duplication: None. This course is specific to NNGO majors and minors.

Other Catalog Change **CLAS22.23.07.44** 2022-23 UG Catalog [LINK](#)

Nonprofit and NGO Studies (B.A. or B.S.)

↓
Requirements in Center (24)

- NNGO 100 - ~~Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
Available for General Education credit in the Society and Culture Domain.
- NNGO 301X - Philanthropy and Fundraising Credits: 3
 ~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~
- NNGO 302 - Introduction to Research in Non-Governmental Organizations and Communities Credits: 3
 ↓
- NNGO 495 - Capstone Seminar in Nonprofit and NGO Studies Credits: 3
- NNGO 495 is a writing infused course.

Electives (15)

- ACCY 288 - Fundamentals of Accounting Credits: 3
 ↓
- THEA 371 - History of Theatre and Drama II Credits: 3
THEA 371 is a writing infused course.
- WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3
WGSS 202 also fulfills the Human Diversity Requirement.
Available for General Education credit in the Creativity and Critical Analysis Domain.

Total Hours for a Major in Nonprofit and NGO Studies: 51-63 (B.A.) OR 63-68 (B.S.)

Rationale: Revised title for WGSS 202. Revisions to the title for NNGO 100, the course number for NNGO 301X, and deletion of PSPA 301. Notification: Nonprofit and NGO Studies was notified of the WGSS change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.07.45** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Minor in Nonprofit and NGO Studies (18)



Requirements in center (9)

- NNGO 100 - ~~Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
NNGO 100 is available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
- NNGO 350 - Community Organizations in a Digital World Credits: 3



Electives

Three of the following from three different departments (9)

- ANTH 329 - Anthropology and Contemporary World Problems Credits: 3
ANTH 329 also fulfills the Human Diversity Requirement.
 - ANTH 464 - Disasters without Borders Credits: 3
 - OR NNGO 464X - Disasters without Borders Credits: 3
 - NNGO 301X - Philanthropy and Fundraising Credits: 3
 - ~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~
 - NNGO 350 - Community Organizations in a Digital World Credits: 3
- ↓
- SOCI 379 - Collective Behavior and Social Movements Credits: 3

Rationale: Revision to the title of NNGO 100, change in course number for NNGO 301X, and deletion of PSPA 301.

Other Catalog Change

CLAS22.23.07.46

2022-23 UG Catalog

[LINK](#)

Grant Writing (12)



Requirements (12)

- ENGL 350 - Writing across the Curriculum Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
ENGL 350 is a writing infused course.
- NNGO 301X - Philanthropy and Fundraising Credits: 3
 - ~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- NNGO 352 - Nonprofit Program Development and Evaluation Credits: 3
- NNGO 492 - Grant Proposal Seminar Credits: 3
NNGO 492 is a writing infused course.

Rationale: Deletion of PSPA 301 and revision to NNGO 301X.

Other Catalog Change **CLAS22.23.07.47** 2022-23 UG Catalog [LINK](#)

Nonprofit and NGO Studies (12)

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Required Courses (12)

- NNGO 100 - ~~Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3

Two of the following (6)

- ANTH 329 - Anthropology and Contemporary World Problems Credits: 3
 - NNGO 301~~X~~ - Philanthropy and Fundraising Credits: 3
~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~
 - NNGO 350 - Community Organizations in a Digital World Credits: 3
- ↓
- SOCI 379 - Collective Behavior and Social Movements Credits: 3

Rationale: Deletion of PSPA 301 and revision to NNGO 301X. Revision to the title of NNGO 100.

DEPARTMENT OF PHYSICS

Other Catalog Change **CLAS22.23.07.48** 2022-23 UG Catalog [LINK](#)

Educator Licensure Program - Physics

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Requirements

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- EPS 406 - Issues in Human Development and Learning in the Middle School and High School Years Credits: 3
- **EPS 452 - Classroom Management for Adolescent Students Credits: 3**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~ETT 402 - Teaching and Learning with Technology Credits: 3~~
- ILAS 201 - Introductory Clinical Experience Credits: 1
- ↓
- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

Retention



Rationale: ETT 402 has not met enrollment targets at times and therefore has been cancelled some semesters. Based on exit surveys from the last four years, our students have been overall dissatisfied with the quality and amount of material presented in ETT 402 and have not found it directly applicable to their teaching practice. The professor who teaches EPS 452, Classroom Management for Adolescent Students, is a former high school chemistry teacher and has committed to teaching CLAS dedicated sections for our students in the spring. He receives outstanding evaluations from licensure students who take the class. EPS 452 course is also required by other CLAS secondary licensure programs, which eliminates the possibility of the course not meeting enrollment minimums.

Paperwork was submitted for state approval in summer 2021 by secondary science educator licensure Program Director, Paul Fix. It was formally approved by the Illinois State Board of Education in fall 2021.

Impact Statement: LEPF was consulted with regard to the addition of their course to the list of requirements. The department has not identified any negative impact on course availability, enrollment, or teaching loads with this change. They are supportive of this addition.

CENTER FOR THE STUDY OF WOMEN, GENDER, AND SEXUALITY

Other Catalog Change

CLAS22.23.07.49

2022-23 UG Catalog

[LINK](#)

Women, Gender, and Sexuality Studies (B.A. or B.S.)



Requirements in Department (19)

- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 101 fulfills the Human Diversity Requirement.
- WGSS 201 - Global Gender Issues Justice Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for General Education credit in the Society and Culture Domain.

- WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies Credits: 4
- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+** Studies Credits: 3

Available for General Education credit in the Society and Culture Domain.

WGSS 350 also fulfills the Human Diversity Requirement.

WGSS 350 is a writing infused course.

↓

- WGSS 499 - WGSS Capstone Credits: 3

↓

Electives (15)

Students choose 15 credit hours of electives from the following list

- ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3

↓

- ENGL 383 - Gay and Lesbian Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.

- ~~ENGL 434X - Language and Gender Credits: 3~~
~~ENGL 434X also fulfills the Human Diversity Requirement.~~

- FLFR 445 - Feminism in France Credits: 3
FLFR 445 is a writing infused course.

↓

- SOCI 356 - Health, Aging, and Society Credits: 3
- ~~SOCI 357 - The Sociology of Gender Credits: 3~~
~~SOCI 357 also fulfills the Human Diversity Requirement.~~

- SOCI 450 - Social Inequality Credits: 3
SOCI 450 is a writing infused course.

- SOCI 487 - Gender and Crime Credits: 3
SOCI 487 is a writing infused course.

- ~~WGSS 202 - Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3

Available for General Education credit in the Creativity and Critical Analysis Domain.

WGSS 202 also fulfills the Human Diversity Requirement.

- WGSS 240 - Issues in Women, Gender, and Sexuality Studies Credits: 3

- ~~WGSS 324 - Women in Science~~ **Gender and STEM** Credits: 3

Available for General Education credit in the Society and Culture Domain.

WGSS 324 also fulfills the Human Diversity Requirement.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~WGSS 332 - Growing Up Girl Credits: 3~~
~~WGSS 332 also fulfills the Human Diversity Requirement.~~
- WGSS 390 - Internship in Women, Gender, and Sexuality Studies Credits: 1-3
- ~~WGSS 424 - Topics in Gender and STEM Credits: 3~~
- WGSS 430 - Special Topics in Women's and Gender Studies Credits: 3
- ~~WGSS 434 - Language and Gender Credits: 3~~
~~WGSS 434 also fulfills the Human Diversity Requirement.~~
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
- ↓
- WGSS 450 - Transgender Studies Credits: 3
WGSS 450 also fulfills the Human Diversity Requirement.

Special Requirement (12-28)



Rationale: Remove SOCI 357 - Course content and approaches do not align with our current programs' pedagogy, content, and learning outcomes. Deletion of WGSS 332, WGSS 424, and WGSS 434/ENGL 434X. Revised titles for WGSS 201, WGSS 202, WGSS 324, and WGSS 350.

Other Catalog Change

CLAS22.23.07.50

2022-23 UG Catalog

[LINK](#)

Minor in LGBTQ+ Studies (18)



Requirements (18)

All LGBTQ+ Studies minors must take (9):

- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
WGSS 101 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a society and culture eneral education course for the Social Justice and Diversity Pathway.
- WGSS 350 - ~~Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+** Studies Credits: 3
WGSS 350 is a writing infused course.
WGSS 350 also fulfills the Human Diversity Requirement.
Available for general education credit.
- WGSS 432 - Feminist and Queer Theories Credits: 3
WGSS 432 also fulfills the Human Diversity Requirement.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Three of the following (9)

- ANTH 422 - Gender in Southeast Asia Credits: 3
ANTH 422 is a writing infused course.
↓
- SCL 200 - Application of Social Change Leadership Credits: 3
- ~~SOCI 357 - The Sociology of Gender Credits: 3~~
~~SOCI 357 also fulfills the Human Diversity Requirement.~~
- SOCI 450 - Social Inequality Credits: 3
SOCI 450 is a writing infused course.
↓
- WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies Credits: 4
WGSS 300 is a writing infused course.
- ~~WGSS 332 - Growing Up Girl Credits: 3~~
~~WGSS 332 also fulfills the Human Diversity Requirement.~~
- WGSS 390 - Internship in Women, Gender, and Sexuality Studies Credits: 1-3
↓
- WGSS 450 - Transgender Studies Credits: 3
WGSS 450 also fulfills the Human Diversity Requirement.

Rationale: Remove SOCI 357 - Course content and approaches do not align with our current programs' pedagogy, content, and learning outcomes. Deletion of WGSS 332. Revised title for WGSS 350.

Other Catalog Change **CLAS22.23.07.51** 2022-23 UG Catalog [LINK](#)

Minor in Women's and Gender Studies (18)

↓

Requirements (15-18)

Six or more semester hours in the minor must be taken at NIU.

- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
Available for general education credit.
WGSS 101 also fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- WGSS 201 - Global Gender Issues **Justice** Credits: 3
Available for general education credit.
 - OR WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3
Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

WGSS 202 also fulfills the Human Diversity Requirement.
This is a creativity and critical analysis general education course for the
Origins and Influences Pathway.

- WGSS 432 - Feminist and Queer Theories Credits: 3

Three of the following (9)

- ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3
↓
- ENGL 383 - Gay and Lesbian Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
- ~~ENGL 434X - Language and Gender Credits: 3~~
~~ENGL 434X fulfills the Human Diversity Requirement.~~
- FLFR 445 - Feminism in France Credits: 3
FLFR 445 is a writing infused course.
↓
- SOCI 354 - Families and Social Change Credits: 3
Available for general education credit.
This is a society and culture general education course for the Creativity,
Innovation, and Change Pathway.
- ~~SOCI 357 - The Sociology of Gender Credits: 3~~
~~SOCI 357 also fulfills the Human Diversity Requirement.~~
- SOCI 450 - Social Inequality Credits: 3
SOCI 450 is a writing infused course.
- SOCI 487 - Gender and Crime Credits: 3
SOCI 487 is a writing infused course.
- WGSS 240 - Issues in Women, Gender, and Sexuality Studies Credits: 3
- WGSS 324 - ~~Women in Science~~ Gender and STEM Credits: 3
Available for general education credit.
WGSS 324 also fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Social Justice and
Diversity Pathway.
 - OR BIOS 324X - ~~Women in Science~~ Gender and STEM Credits: 3
Available for general education credit.
BIOS 324X also fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Social
Justice and Diversity Pathway.
 - OR EAE 324X - ~~Women in Science~~ Gender and STEM Credits: 3
Available for general education credit.
EAE 324X also fulfills the Human Diversity Requirement.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

This is a society and culture general education course for the Social Justice and Diversity Pathway.

- ~~• WGSS 332 - Growing Up Girl Credits: 3~~
~~WGSS 332 also fulfills the Human Diversity Requirement.~~
- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+ Studies Credits: 3**
WGSS 350 is a writing infused course.
WGSS 350 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- WGSS 390 - Internship in Women, Gender, and Sexuality Studies Credits: 1-3
- ~~• WGSS 424 - Topics in Gender and STEM Credits: 3~~
- WGSS 430 - Special Topics in Women's and Gender Studies Credits: 3
- WGSS 432 - Feminist and Queer Theories Credits: 3
- ~~• WGSS 434 - Language and Gender Credits: 3~~
~~WGSS 434 also fulfills the Human Diversity Requirement.~~
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
↓
- WGSS 450 - Transgender Studies Credits: 3
WGSS 450 also fulfills the Human Diversity Requirement.

Rationale: Remove SOCI 357 - Course content and approaches do not align with our current programs' pedagogy, content, and learning outcomes. Deletion of ENGL 434X, WGSS 332, WGSS 424, and WGSS 434. Revised titles for WGSS 201, WGSS 202, WGSS 324/BIOS 324X/EAE 324X, and WGSS 350.

Other Catalog Change **CLAS22.23.07.52** 2022-23 UG Catalog [LINK](#)

Lesbian, Gay, Bisexual, Transgender, and Queer+ Studies (12)

Certificate of Undergraduate Study

Requirements (12)

- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+ Studies Credits: 3**
WGSS 350 is a writing infused course.
WGSS 350 also fulfills the Human Diversity Requirement.
Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

This is a society and culture general education course for the Social Justice and Diversity Pathway.

Three of the following (9)

- ANTH 422 - Gender in Southeast Asia Credits: 3
ANTH 422 is a writing infused course.
↓
- ENGL 400 - Literary Topics Credits: 3
May be counted toward the minor when topic is appropriate.
- ~~ENGL 434X - Language and Gender Credits: 3~~
~~ENGL 434X also fulfills the Human Diversity Requirement.~~
- HIST 367 - U.S. LGBT History Credits: 3
HIST 367 also fulfills the Human Diversity Requirement.
↓
- SCL 200 - Application of Social Change Leadership Credits: 3
- ~~SOCI 357 - The Sociology of Gender Credits: 3~~
~~SOCI 357 also fulfills the Human Diversity Requirement.~~
- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
WGSS 101 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3
WGSS 202 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a creativity and critical analysis general education course for the Origins and Influences Pathway.
- WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies Credits: 4
WGSS 300 is a writing infused course.
↓
- WGSS 432 - Feminist and Queer Theories Credits: 3

Rationale: Remove SOCI 357 - Course content and approaches do not align with our current programs' pedagogy, content, and learning outcomes. Deletion of ENGL 434X. Revised titles for WGSS 202 and WGSS 350.

Other Catalog Change

CLAS22.23.07.53

2022-23 UG Catalog

LINK

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Women's and Gender Studies (12)

Certificate of Undergraduate Study

↓

Requirements (12)

Required courses (6)

- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 101 also fulfills the Human Diversity Requirement.
- WGSS 201 - Global Gender Issues Justice Credits: 3
Available for General Education credit in the Society and Culture Domain.

Two of the following courses in any field, focused on women and/or gender (6)

- ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3
↓
- BIOS 324X - ~~Women in Science~~ Gender and STEM Credits: 3
Available for General Education credit in the Society and Culture Domain.
BIOS 324X also fulfills the Human Diversity Requirement.
 - OR EAE 324X - ~~Women in Science~~ Gender and STEM Credits: 3
Available for General Education credit in the Society and Culture Domain.
EAE 324X also fulfills the Human Diversity Requirement.
 - OR WGSS 324 - ~~Women in Science~~ Gender and STEM Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 324 also fulfills the Human Diversity Requirement.
- COMS 410 - Communication and Gender Credits: 3
Available for General Education credit in the Society and Culture Domain.
↓
- ENGL 383 - Gay and Lesbian Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
- ~~• ENGL 434X - Language and Gender Credits: 3
ENGL 434X also fulfills the Human Diversity Requirement.
 - ~~OR WGSS 434 - Language and Gender Credits: 3
WGSS 434 also fulfills the Human Diversity Requirement.~~~~
- FLFR 445 - Feminism in France Credits: 3
FLFR 445 is a writing infused course.
↓
- SOCI 354 - Families and Social Change Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Available for General Education credit in the Society and Culture Domain.

- ~~SOCI 357 - The Sociology of Gender Credits: 3~~

~~SOCI 357 also fulfills the Human Diversity Requirement.~~

- SOCI 450 - Social Inequality Credits: 3
SOCI 450 is a writing infused course.
- SOCI 487 - Gender and Crime Credits: 3
SOCI 487 is a writing infused course.

WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation** Credits: 3

Available for General Education credit in the Creativity and Critical Analysis Domain.

- WGSS 240 - Issues in Women, Gender, and Sexuality Studies Credits: 3
- WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies Credits: 4
WGSS 300 is a writing infused course.
- ~~WGSS 332 - Growing Up Girl Credits: 3~~
~~WGSS 332 also fulfills the Human Diversity Requirement.~~
- WGSS 390 - Internship in Women, Gender, and Sexuality Studies Credits: 1-3
- ~~WGSS 424 - Topics in Gender and STEM Credits: 3~~
- WGSS 430 - Special Topics in Women's and Gender Studies Credits: 3
↓
- WGSS 439 - Independent Study in Women, Gender, and Sexuality Studies Credits: 3

Rationale: Remove SOCI 357 - Course content and approaches do not align with our current programs' pedagogy, content, and learning outcomes. Deletion of WGSS 332, WGSS 424, and WGSS 434/ENGL 434X. Revised titles for WGSS 201, WGSS 202, and WGSS 324/BIOS 324X/EAE 324X.

OTHER COLLEGES

COLLEGE OF BUSINESS

DEPARTMENT OF MANAGEMENT (MGMT)

Other Catalog Change

CLAS22.23.07.54

2022-23 UG Catalog

[LINK](#)

Minor in Social Entrepreneurship (21-24)

↓

One of the following (3)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ACCY 480 - Governmental and Not-For-Profit Accounting Credits: 3
↓
- MKTG 443 - Marketing Research Credits: 3
- **NNGO 301 - Philanthropy and Fundraising Credits: 3**
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
↓
- PSPA 328 - Role of Nongovernmental Organizations in Development Credits: 3
- ~~PSPA 301 - Philanthropy and Fundraising Credits: 3~~
- PSPA 402 - Resource Strategies for Nonprofit Organizations Credits: 3
↓
- TECH 305 - Green Technologies Credits: 3
 - OR ENVS 305X - Green Technologies Credits: 3

Rationale: Deletion of PSPA 301. Addition of NNGO 301 (formerly NNGO 301X/PSPA 301).

Notification: The Department of Management was notified of these changes via email on October 31, 2022.

COLLEGE OF EDUCATION

COUNSELING AND HIGHER EDUCATION (COUN, HESA, SCL)

Other Catalog Change **CLAS22.23.07.55** 2022-23 UG Catalog [LINK](#)

Minor in Social Change Leadership (18)

↓

Elective courses (9)

- BKST 200 - Racism in American Culture and Society Credits: 3
Available for general education credit.
BKST 200 also fulfills the Human Diversity Requirement.
↓
- LEEA 329 - Spiritually-Centered Leadership Credits: 3
- ~~WGSS 350 - Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+ Studies Credits: 3**
Available for general education credit.
WGSS 350 also fulfills the Human Diversity Requirement.
WGSS 350 is a writing infused course.
- ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers Credits: 3**
Available for general education credit.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

This is a society and culture general education course for the Social Justice and Diversity Pathway.

↓

- WGSS 101 - Introduction to Women, Gender and Sexuality Studies Credits: 3
Available for general education credit.
WGSS 101 also fulfills the Human Diversity Requirement.

Courses not listed above may be used to satisfy elective requirements when the topic is appropriate and approved by the social change leadership minor coordinator.

Rationale: Revised title for WGSS 350 and NNGO 100. Notification: The Department of Counseling and Higher Education was notified of these changes via email on October 31, 2022.

KINESIOLOGY AND PHYSICAL EDUCATION (KNDN, KNPE, LESM)

Other Catalog Change

CLAS22.23.07.56

2022-23 UG Catalog

[LINK](#)

Minor in Sport for Development and Social Change (18)

↓

Three of the following (9)

- BKST 200 - Racism in American Culture and Society Credits: 3
Available for General Education credit in the Society and Culture Domain.
BKST 200 also fulfills the Human Diversity Requirement.
↓
- KNPE 310 - Psychological Aspects of Sport and Exercise Credits: 3
Available for General Education credit in the Society and Culture Domain.
- NNGO 100 - ~~Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
Available for General Education credit in the Society and Culture Domain.
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
↓
- SOCI 386 - Peace and Social Justice Credits: 3

Rationale: Revision to the title of NNGO 100. Notification: The Department of Kinesiology and Physical Education was notified of this change via email on October 31, 2022.

COLLEGE OF HEALTH AND HUMAN SCIENCES

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

FAMILY AND CONSUMER SCIENCES (FACS, FSMD, GERO, HDFS, HOSP)

Other Catalog Change

CLAS22.23.07.57

2022-23 UG Catalog

[LINK](#)

Human Development and Family Sciences, Comprehensive Major (B.S.)

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Emphasis 1. Family Relations, Prevention, and Wellness

↓

Requirements outside School (21-23)

- EPS 307 - Development of the Adolescent Credits: 3
Available for general education credit.
This is a society and culture general education course for the Learning Pathway.
- ↓
- SOCI 260 - Introduction to Social Psychology Credits: 3
Available for general education credit.
 - OR PSYC 372 - Social Psychology Credits: 3
 - OR WGSS 350 - ~~Lesbian, Gay, Bisexual, and Transgender~~ **Introduction to LGBTQ+** Studies Credits: 3
 - OR BKST 200 - Racism in American Culture and Society Credits: 3
- STAT 100 - Basic Statistics Credits: 3
Available for general education credit.
 - OR STAT 200 - Elementary Statistics Credits: 4
- HSCI 460 - Research in Health and Human Sciences Credits: 3
HSCI 460 is a writing infused course
 - OR PSYC 305 - Research Methods Credits: 3

One of the following (3-4)

↓

Rationale: Revised title for WGSS 350. Notification: The School of Family and Consumer Sciences was notified of this change via email on October 31, 2022.

DEPARTMENT OF MATHEMATICAL SCIENCES

Course Revision

CLAS22.23.08.08

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

MATH 336 - Ordinary Differential Equations

↓

Prerequisites & Notes

PRQ: MATH 230 with a C or better.

Credits: 3

Rationale: This change has been mandated by the Illinois Articulation Initiative to bring NIU into line with other state institutions. Additionally, this change will sufficiently prepare students for the demands of MATH 336. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

DEPARTMENT OF PSYCHOLOGY

Course Revision

CLAS22.23.08.10

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 306 - Advanced Research Methods

↓

Prerequisites & Notes

PRQ: At least sophomore standing, PSYC 101, PSYC 102, PSYC 305, and a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223) ~~and PSYC 305;~~ or consent of department.

Credits: 3

Rationale: An ambiguity was brought to our attention by the CLAS advising office regarding the PRQs, suggesting that a C or better in both STAT and PSYC 305 was required for entry into this course. This change specifies that a C or better is required in STAT but not in PSYC 305, which is consistent with our longstanding curriculum. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.11

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 410 - Research Laboratory in Experimental Psychology: Perception

↓

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and either PSYC 300 or PSYC 345; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.12

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 411 - Research Laboratory in Experimental Psychology: Animal Cognition

↓

Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and either PSYC 300 or PSYC 345; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.13

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 412 - Research Laboratory in Experimental Psychology: Human Learning and

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Memory



Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and either PSYC 245 or PSYC 345; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.14

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 413 - Research Laboratory in Psychopathology



Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and one of the following: PSYC 315, PSYC 316, PSYC 332, PSYC 351; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.15

2022-23 UG Catalog

[LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 414 - Research Laboratory in School Psychology

↓

Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and one of the following: PSYC 225, PSYC 315, PSYC 324; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.16

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

PSYC 431 - Research Laboratory in Neuropsychology

Crosslisted as BIOS 431X. Understanding the Lecture and laboratory.

Prerequisites & Notes

At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and PSYC 300; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.08.17** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PSYC 433 - Research Laboratory in Social and Personality Psychology



Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and either PSYC 332 or PSYC 372; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.08.18** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PSYC 434 - Research Laboratory in Industrial-Organizational Psychology



Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and one of the following: PSYC 332, PSYC 351, PSYC 372, PSYC 471; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.08.19** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

PSYC 464 - Research Laboratory in Developmental Psychology

↓

Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and either PSYC 225 or PSYC 324; or consent of department.

Credits: 4

Rationale: Even though this change appears to add a pre-requisite, the goal is to provide clarity and transparency about an existing course pre-requisite. Currently, a grade of C or better in STAT is a pre-requisite for PSYC 306 (which is an existing pre-requisite for this course). In the event that a student does not take PSYC 306 at NIU, (e.g., a transfer student who transfers in credit for the course), this change ensures that a student still needs to have earned a grade of C or better in STAT to be prepared for this course.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

ALL UNIVERSITY SECTION

Other Catalog Change **CLAS22.23.08.20** 2022-23 UG Catalog [LINK](#)

General Education Requirements

↓

Knowledge Domain Course Descriptions

↓

Nature and Technology Course Descriptions

- ANTH 103 - The Great Apes Credits: 3

↓

- ENGL 261X - Language, Mind, and Thought Credits: 3
- **ENVS 200 - Introduction to Sustainability Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

ENVS 200 also fulfills the Human Diversity Requirement.

- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
↓
- TECH 294 - Technology and Cultural Relevance Credits: 3

Society and Culture Course Descriptions

- ANTH 104 - Anthropology of Pop Culture: Making the Familiar Strange Credits: 3
↓
- ENVS 186X - Introduction to Environmental Economics Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
- ENVS 361X - History of Sustainable Design Credits: 3
ENVS 361X is a writing infused course.
↓
- WGSS 350 - Introduction to LGBTQ+ Studies Credits: 3
WGSS 350 is a writing infused course.
WGSS 350 also fulfills the Human Diversity Requirement.

Pathways

↓
Sustainability

↓
Select one of the following Nature and Technology courses:

- ANTH 103 - The Great Apes Credits: 3
↓
- EAE 108 - Environmental Geology Credits: 3
- **ENVS 200 - Introduction to Sustainability Credits: 3**
ENVS 200 also fulfills the Human Diversity Requirement.
- HIST 377 - American Environmental History Credits: 3
- HIST 377 also fulfills the Human Diversity Requirement.
↓
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3

Select one of the following Society and Culture courses:

- ARTH 360 - Studies in Design Credits: 3
↓
- ECON 160 - Contemporary Economic Issues Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ENVS 361X - History of Sustainable Design Credits: 3
- ENVS 361X is a writing infused course.
↓
- POLS 210 - Introduction to Law and Courts Credits: 3

Rationale: Revised titles for ENVS 303. Addition of ENVS 200 to the list of Nature and Technology courses in the Sustainability Pathway.

Other Catalog Change **CLAS22.23.08.21** 2022-23 UG Catalog [LINK](#)

Writing Infused Courses

↓
List of Writing Infused Courses

ACCY 375 - Accountancy Writing Lab Credits: 1

↓
ENGL 382 - Women Writers: The Tradition in English Credits: 3

ENGL 382 also fulfills the Human Diversity Requirement.

ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3

ENGL 383 also fulfills the Human Diversity Requirement.

ENGL 384 - Literary Nonfiction Credits: 3

↓
WGSS 350 - Introduction to LGBTQ+ Studies Credits: 3

WGSS 350 is available for general education credit.

WGSS 350 fulfills the Human Diversity Requirement.

This is a society and culture general education course for the Social Justice and Diversity Pathway.

Rationale: Revised title for ENGL 383.

Other Catalog Change **CLAS22.23.08.22** 2022-23 UG Catalog [LINK](#)

Human Diversity Requirement List of Courses

↓
Course list

AHLS 450 - Laboratory Management Principles and Processes Credits: 3

↓
ENGL 382 - Women Writers: The Tradition in English Credits: 3

ENGL 382 is a writing infused course.

ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3

ENGL 383 is a writing infused course.

ENGL 385 - Diverse Literatures Special Topics Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

ENGL 385 is a writing infused course.



ENGL 477 - Postcolonial and New Literatures in English Credits: 3

ENVS 200 - Introduction to Sustainability Credits: 3

Available for general education credit.

This is a nature and technology general education course for the Sustainability Pathway.

ENVS 420X - Waterworlds Credits: 3

WGSS 450 - Transgender Studies Credits: 3

Rationale: Revised title for ENGL 383. Addition of ENVS 200 to the list of HD courses.

INTER-COLLEGE INTERDISCIPLINARY PROGRAMS

Other Catalog Change

CLAS22.23.08.23

2022-23 UG Catalog

[LINK](#)

Applied Ethics (12)



Three of the following (9)

COMS 403 - Freedom of Speech and Communication Ethics Credits: 3

COMS 455 - Media Law and Ethics Credits: 3

COMS 481 - Communication Ethics in Organizations Credits: 3

ENVS 303 - ~~Environment in the~~ Nature in Society: Environmental Social Sciences and Humanities Credits: 3

HSCI 410 - Legal and Ethical Issues for Health and Human Sciences Professionals Credits: 3



TECH 401 - Ethics in Technology Credits: 3

Rationale: Revisions to ENVS 303. Notification: The Applied Ethics coordinator was notified of this change via email on October 31, 2022.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Other Catalog Change

CLAS22.23.08.24

2022-23 UG Catalog

[LINK](#)

Minor in Global Studies (18)



Electives (9)

Choose three elective courses from three different departments.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

ANTH 329 - Anthropology and Contemporary World Problems Credits: 3
ANTH 329 fulfills the Human Diversity Requirement.



ENGL 477 - Postcolonial and New Literatures in English Credits: 3
ENGL 477 fulfills the Human Diversity Requirement.

ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences
and Humanities Credits: 3

Available for General Education credit in the Society and Culture Domain.

ENVS 304 - ~~Environmental Law, Policy, and Economics~~ **Sustainability**
Governance: The Politics of Environmental Solutions Credits: 3



THEA 483 - Intercultural Performance: Colonialism, Post-Colonialism, and the
Global Theatre Credits: 3

*Rationale: Revisions to ENVS 303 and ENVS 304. Notification: The Global Studies
coordinator was notified of these changes via email on October 31, 2022.*

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

Other Catalog Change

CLAS22.23.08.25

2022-23 UG Catalog

[LINK](#)

Earth, Atmosphere, and Environment (GEOG, GEOL, MET)
Go to information for this department.

Programs



Minor

- Minor in Geography (19)
- Minor in Geology ~~and Environmental Geosciences~~ (21)

Certificate of Undergraduate Study

- Geographic Information Systems (15)



The Degree with Honors

- ~~Geography or Meteorology Degree with Honors~~
- ~~Geology and Environmental Geosciences~~ **Earth, Atmosphere and Environment**
Degree with Honors
- **Meteorology Degree with Honors**

Rationale: Update the department listing.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Other Catalog Change

CLAS22.23.08.26

2022-23 UG Catalog

[LINK](#)

Minor in Geography (19)

↓

Requirements (19)

Six or more semester hours in the minor must be taken at NIU.

- ~~GEOG~~ **EAE 101** - Introduction to Environmental Geography Credits: 3
Available for general education credit.
This is a nature and technology general education course for the Global Connections Pathway.
 - **AND EAE 102 - Introduction to Environmental Geography Laboratory Credits: 1**
 - OR GEOG 105 - Weather, Climate, and You Credits: 3
Available for general education credit.
 - **AND EAE 106 - Weather, Climate, and You Laboratory Credits: 1**
- ~~GEOG~~ **EAE 202** - World Regional Geography Credits: 3
Available for general education credit.
~~GEOG~~ **EAE 202** also fulfills the Human Diversity Requirement.
This is a society and culture general education course for the Origins and Influences Pathway.
 - ~~OR GEOG 201 - Introduction to Human Geography Credits: 3~~
 - OR ~~GEOG~~ **EAE 204** - Geography of Economic Activities Credits: 3
Available for general education credit.
This is a society and culture general education course for the Global Connections Pathway.
 - **OR EAE 205 - Introduction to Human Geography Credits: 3**
- ~~GEOG~~ **EAE 256** - Maps and Mapping Credits: 3
Available for general education credit.
- ~~Electives from geography courses at the 300 or 400 level (9)~~
- **Additional 9 semester hours in EAE courses listed as 300-level or higher**

Rationale: Updating course designators/numbers to coordinate with department merger. Addition of EAE 102 and 106 labs which were left out of the previous requirements; this will bring number of credit hours in line with total requirement.

Other Catalog Change

CLAS22.23.08.27

2022-23 UG Catalog

[LINK](#)

Minor in Geology and Environmental Geosciences (21)

Check departmental information for any additional requirements.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Requirements (21)

Six or more semester hours in the minor must be taken at NIU.

- ~~GEOL 120~~ **EAE 120** - Planet Earth Credits: 3
~~GEOL 120~~ **EAE 120** is available for general education credit.
This is a nature and technology general education course for the Origins and Influences Pathway.
 - AND ~~GEOL 121~~ **EAE 121** - Planet Earth Laboratory Credits: 1
- ~~GEOL 325~~ **EAE 325** - Solid Earth Composition Credits: 4
- ~~GEOL 405~~ **EAE 340** - Sedimentology and Stratigraphy Credits: 4

Additional 9 semester hours in ~~GEOL~~ **EAE** courses listed as 300-level or higher.

Rationale: Updating course designators/numbers to coordinate with department merger.

Other Catalog Change **CLAS22.23.08.28** 2022-23 UG Catalog [LINK](#)

~~Geology~~ **Earth, Atmosphere and Environmental ~~Geosciences~~ Degree with Honors**

~~Students who want to work toward a B.S. degree with honors should discuss the matter with the faculty adviser and the chair of the department's Undergraduate Committee as soon as possible. Admission to the degree with honors program requires the approval of the department chair and will be considered only for juniors or seniors having a minimum GPA of 3.00 in all work and of 3.40 in geology and environmental geosciences courses.~~

~~A B.S. degree with honors in geology and environmental geosciences will be awarded to the candidate who maintains a GPA of 3.40 in department courses, fulfills the normal requirements for the major, and completes a departmental honors thesis under GEOL 499. The senior departmental honors thesis must be approved by the project adviser and a staff member appointed by the departmental undergraduate committee.~~

~~The University Honors Program is separate but complementary to the departmental degree with honors. Eligible students may participate in one or both programs simultaneously since there is some overlap in the requirements. Students interested in the University Honors Program are encouraged to contact the University Honors office for more detailed information.~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

The B.S. degree with Honors in Earth, Atmosphere and Environment will be awarded to students satisfying the following requirements:

- Approval of the departmental advisor for admission to the honors degree program.
- Senior standing with a minimum GPA of 3.00 in all course work and of 3.50 in EAE courses.
- Completion of the requirements of the declared departmental major.
- Completion of a senior honors thesis under EAE 499 for a minimum of 2 semester hours. The honors thesis must be approved by the project faculty mentor and the departmental advisor.

The University Honors Program is separate but complementary to the departmental degree with honors. Eligible students may participate in one or both programs simultaneously since there is some overlap in the requirements. Students interested in the University Honors Program are encouraged to contact the University Honors office for more detailed information.

Rationale: The merger of the GEOL and GEOG honors programs is intended to streamline the catalog language for students seeking departmental (EAE) honors across the program. We have kept a parallel set of requirements for students seeking honors in the meteorology degree path.

Other Catalog Change **CLAS22.23.08.29** 2022-23 UG Catalog [LINK](#)

~~Geography or~~ Meteorology Degree with Honors

The B.S. degree with Honors in ~~Geography or~~ Meteorology will be awarded to students satisfying the following requirements:

- Approval of the ~~department chair~~ Meteorology program advisor for admission to the honors degree program.
- Senior standing with a minimum GPA of 3.00 in all course work and of 3.50 in ~~geography~~ meteorology courses.
- Completion of the requirements of the declared departmental major.
- Completion of a senior honors thesis under ~~GEOG 491H or~~ MET 491H for a minimum of 2-4 semester hours. The honors thesis must be approved by the project faculty ~~advisor mentor~~ and a faculty member appointed by the ~~department chair~~ Meteorology program advisor.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: The merger of the GEOL and GEOG honors programs is intended to streamline the catalog language for students seeking departmental (EAE) honors across the program. We have kept a parallel set of requirements for students seeking honors in the meteorology degree path.

ENVIRONMENTAL STUDIES

New Course **CLAS22.23.08.30** 2022-23 UG Catalog [LINK](#)

CIP Code: 03.0103 Course Component: LEC

ENVS 200 - Introduction to Sustainability

Sustainability from complex systems and transdisciplinary perspectives. Social equity, environmental conservation, and economic growth. Organizations, institutions, and power in sustainability. Data literacy and science communication in sustainability. Introduction to transdisciplinary research.

Credits: 3

Rationale: The Institute for the Study of ESE identified a critical need among ENVS major students for a course that would develop key competencies and literacies essential for our core courses. The current (2022-2023) general education courses do not include any offerings on sustainable systems that emphasize the areas in the course description above, even though these are essential to many fields of graduate study and career pathways students may pursue. Non-Duplication: The Departments of ANTH, BIOS, EAE, POLS, and TECH were consulted with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course **CLAS22.23.08.31** 2022-23 UG Catalog [LINK](#)

CIP Code: 03.0103 Course Component: LEC

ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations

Explore the horrendously polluted Yamuna River in India, severe mercury poisoning in Minamata Japan, and the Exclusion Zone around the Chernobyl sarcophagus. In the USA, investigate lead in Tar Creek Oklahoma, plutonium at the Hanford site, slow-burn coal seams in abandoned Centralia, PA and more while surveying Superfund sites in your own backyard. Emphasis will be on impact to local, low-

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

income communities around these polluted places with potential solutions or exclusion zones. Includes one Saturday field trip.

Credits: 3

Rationale: In classes such as ENVS 301 (Environmental Science) and ENVS 409 (Water Quality) we touch on some of these toxic sites but we don't get time to explore in depth. This course will tell the stories behind these locations. It also fits into environmental justice issues since many polluted places are in low income areas around the world. Currently there is not any courses at NIU that explore these toxic places. Non-Duplication: The Departments of EAE and HIST were consulted with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course **CLAS22.23.08.32** 2022-23 UG Catalog [LINK](#)

CIP Code: 03.0103 Course Component: LEC

ENVS 385X - Global Environmental Problems

Crosslisted as POLS 385. Analysis of the international relations of global environmental problems with particular emphasis on cooperation and interstate negotiations.

Credits: 3

Rationale: Global environmental problems—climate change, biodiversity loss, depletion of freshwater resources, the hole in the ozone layer, the international transport of hazardous waste, and many more—have become increasingly pressing political concerns around the world. Our students are aware and concerned about these issues and have professional and personal interests in helping to find solution. This course will provide a background in the global nature of these political challenges and their proposed governance. Non-Duplication: None - this is a crosslisted course. Non-Duplications were completed for the parent course, POLS 385.

Other Catalog Change **CLAS22.23.08.33** 2022-23 UG Catalog [LINK](#)

Environmental Studies (B.A. or B.S.)

↓

Requirements in Environmental Studies (~~19~~ 22)

- ENVS 100 - Exploring the Environmental Studies Major Credits: 1
- ENVS 200 - Introduction to Environment, Sustainability, and Energy Credits:

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

3

- ENVS 301 - Environmental Science I: ~~Physical Systems~~ Credits: 3
- ENVS 302 - ~~Environmental Science II: Biological Systems~~ **Sustainable Ecosystems** Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ENVS 304 - ~~Environmental Law, Policy, and Economics~~ **Sustainability Governance: The Politics of Environmental Solutions** Credits: 3
- ENVS 305X - Green Technologies Credits: 3
 - **OR TECH 305 - Green Technologies Credits: 3**
 - OR TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
For Bachelor of Arts Students only.

Three semester hours from the following (3)

↓

Emphasis 1. Biodiversity and Environmental Restoration (~~32-38~~ **33-40**)

↓

Requirements outside Environmental Studies (11-**12**)

- BIOS 103 - General Biology Credits: 3
 - ↓
- BIOS 406 - Conservation Biology Credits: 4
 - OR BIOS 407 - Restoration Ecology Credits: 3
- ~~GEOG 445~~ **EAE 455** - Land-Use Planning Credits: 3
 - OR ~~GEOG 409~~ **EAE 418** - Soils and Environmental Land Use Planning Credits: 3

Select one of the following humanities and social sciences courses (3)

- ANTH 420 - Waterworlds Credits: 3
 - ↓
- ECON 386 - Environmental Economics Credits: 3
- **ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3**
- HIST 377 - American Environmental History Credits: 3
 - ↓
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
 - OR ENVS 435X - Gender and the Environment Credits: 3
ENVS 435X also fulfills the Human Diversity Requirement.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Natural and physical sciences Electives (18-24 19-25)

Students must select six electives. At least one of the courses must contain an additional credit for a lab-based component. The electives are divided into three categories and students must select at least one course (up to a total of four courses) from each of the following: conceptually-based courses, methods-based courses, and taxonomically-based courses.

~~Select between one to four of the following conceptually-based courses (3-15)~~

- ~~● ANTH 343 Extinction: Where the Wild Things Were Credits: 3~~
 - ~~○ OR ENVS 343X Extinction: Where the Wild Things Were Credits: 3~~
- ~~● ANTH 444 Primate Ecology and Conservation Credits: 3~~

~~ANTH 444 is a writing infused course.~~

 - ~~○ OR ENVS 444X Primate Ecology and Conservation Credits: 3~~

~~ENVS 444X is a writing infused course.~~
- ~~● ANTH 445 Primate Evolution Credits: 3~~
 - ~~○ OR BIOS 435X Primate Evolution Credits: 3~~
- ~~● ANTH 449 Primates and Food Credits: 3~~
- ~~● BIOS 317 Evolution Credits: 3~~
- ~~● BIOS 406 Conservation Biology Credits: 4~~
- ~~● BIOS 433 Behavioral Ecology Credits: 3~~
- ~~● BIOS 439 Molecular Evolution Credits: 3~~
- ~~● BIOS 487 Conservation Genetics Credits: 3~~
- ~~● GEOG 306 Severe and Hazardous Weather Credits: 3~~
- ~~● GEOG 422 Plant Soil Interactions Credits: 4~~
- ~~● GEOG 453 Environmental Management Credits: 3~~
- ~~● GEOL 320 Environments and Life Through Time Credits: 4~~
 - ~~○ OR GEOL 322 Paleogeography, Paleoclimatology, Paleoecology Credits: 4~~
- ~~● GEOL 488 Environmental Change Credits: 3~~

~~Select between one to four of the following methods-based courses (3-15)~~

- ~~● ANTH 311 Archaeology of Food Credits: 3~~
 - ~~○ OR ENVS 311X Archaeology of Food Credits: 3~~
- ~~● ANTH 410 Environmental Archaeology Credits: 3~~
- ~~● BIOS 407 Restoration Ecology Credits: 3~~
- ~~● BIOS 412 Mycology Credits: 4~~
- ~~● CHEM 427 Environmental Chemistry Credits: 3~~
- ~~● ENVS 409 Water Quality Credits: 4~~
 - ~~○ OR BIOS 409X Water Quality Credits: 4~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~○ OR GEOL 409X – Water Quality Credits: 4~~
- ~~○ OR PHHE 409X – Water Quality Credits: 4~~
- ~~● GEOG 302 – Soil Science Credits: 3~~
- ~~● GEOG 359 – Introduction to Geographic Information Systems Credits: 3~~
- ~~● GEOG 368 – Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~● GEOG 403 – Soils and Environmental Land Use Planning Credits: 3~~
- ~~● GEOG 406 – Natural Hazards and Environmental Risk Credits: 3~~
- ~~● GEOG 413 – Forest Ecology and Management Credits: 3~~
- ~~● GEOG 490 – Community Geography Credits: 3~~
- ~~● GEOL 390 – Introduction to Groundwater Credits: 3~~
- ~~● GEOL 421 – Environmental Geochemistry Credits: 3~~
- ~~● GEOL 477 – Field Methods in Environmental Geosciences Credits: 4~~
- ~~● GEOL 477 is a writing-infused course.~~
- ~~● MET 430 – Micrometeorology Credits: 3~~
- ~~● STAT 300 – Introduction to Probability and Statistics Credits: 3~~

Select between one to four of the following taxonomically-based courses (3-16)

- ~~● ANTH 341 – Primatology Credits: 3~~
 - ~~○ OR BIOS 341X – Primatology Credits: 3~~
- ~~● BIOS 305 – Biology of Land Plants Credits: 4~~
- ~~● BIOS 430 – Plant Systematics Credits: 4~~
- ~~● BIOS 453 – Entomology Credits: 3~~
- ~~● BIOS 456 – Biology of Fishes, Amphibians, and Reptiles Credits: 4~~
- ~~● BIOS 457 – Biology of Birds and Mammals Credits: 4~~
- ~~● BIOS 458 – Vertebrate Paleontology Credits: 3~~
 - ~~○ OR GEOL 458X – Vertebrate Paleontology Credits: 3~~
- ~~● GEOL 468 – Geomicrobiology Credits: 3~~
 - ~~○ OR BIOS 468X – Geomicrobiology Credits: 3~~
- ~~● GEOL 470 – Invertebrate Paleontology Credits: 3~~
 - ~~○ OR BIOS 469X – Invertebrate Paleontology Credits: 3~~
- ~~● GEOL 471 – Introduction to Micropaleontology Credits: 3~~
 - ~~○ OR BIOS 466X – Introduction to Micropaleontology Credits: 3~~

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
- ANTH 341 - Primatology Credits: 3
 - OR BIOS 341X - Primatology Credits: 3
- ANTH 343 - Extinction: Where the Wild Things Were Credits: 3
 - OR ENVS 343X - Extinction: Where the Wild Things Were Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ANTH 410 - Environmental Archaeology Credits: 3
- ANTH 444 - Primate Ecology and Conservation Credits: 3
 ANTH 444 is a writing infused course.
 - OR ENVS 444X - Primate Ecology and Conservation Credits: 3
 ENVS 444X is a writing infused course.
- ANTH 445 - Primate Evolution Credits: 3
 - OR BIOS 435X - Primate Evolution Credits: 3
- ANTH 449 - Primates and Food Credits: 3
- BIOS 317 - Evolution Credits: 3
- BIOS 406 - Conservation Biology Credits: 4
- BIOS 407 - Restoration Ecology Credits: 3
- BIOS 412 - Mycology Credits: 4
- BIOS 439 - Molecular Evolution Credits: 3
- BIOS 453 - Entomology Credits: 3
- BIOS 456 - Biology of Fishes, Amphibians, and Reptiles Credits: 4
- BIOS 457 - Biology of Birds and Mammals Credits: 4
- BIOS 458 - Vertebrate Paleontology Credits: 3
 - OR GEOL 458X - Vertebrate Paleontology Credits: 3
- BIOS 487 - Conservation Genetics Credits: 3
- CHEM 427 - Environmental Chemistry Credits: 3
- EAE 302 - Soil Science Credits: 3
- EAE 306 - Severe and Hazardous Weather Credits: 3
- EAE 320 - Environments and Life Through Time Credits: 4
 - OR EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
- EAE 406 - Science of Disaster Credits: 3
- EAE 418 - Soils and Environmental Land Use Planning Credits: 3
- EAE 421 - Environmental Geochemistry Credits: 3
- EAE 453 - Environmental Management Credits: 3
- EAE 468 - Geomicrobiology Credits: 3
 - OR BIOS 468X - Geomicrobiology Credits: 3
- EAE 469 - Invertebrate Paleontology Credits: 3
 - OR BIOS 469X - Invertebrate Paleontology Credits: 3
- EAE 471 - Introduction to Micropaleontology Credits: 3
 - OR BIOS 466X - Introduction to Micropaleontology Credits: 3
- EAE 477 - Field Methods in Environmental Geosciences Credits: 5
 EAE 477 is a writing infused course.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- EAE 487 - Community Geography Credits: 3
- EAE 488 - Environmental Change Credits: 3
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- MET 430 - Micrometeorology Credits: 3
- STAT 300 - Introduction to Probability and Statistics Credits: 3

Emphasis 2. **Sustainability and Energy Studies (31-32)**

This emphasis combines courses in the colleges of Liberal Arts and Sciences and Engineering and Engineering Technology and will introduce students to the world of **green technology and energy-related issues sustainable systems and operations**. The focus of the emphasis includes, but is not limited to, green concepts in power production, processing, manufacturing, ecologically friendly materials, and transportation. Students will also take courses on the humanities and social sciences to better understand the role that energy plays in society. ~~This emphasis is offered for the B.S. only.~~

Requirements outside Environmental Studies (13)

- ~~• GEOG 453 - Environmental Management Credits: 3~~
- MATH 155 - Trigonometry and Elementary Functions Credits: 3
Available for General Education credit in the Foundational Studies Quantitative Literacy Requirement.
- MATH 211 - Calculus for Business and Social Sciences Credits: 3
- PHYS 150 - Physics Credits: 3
Available for General Education credit in the Nature and Technology Domain.
 - AND PHYS 151 - Physics Laboratory Credits: 1
Available for General Education credit in the Nature and Technology Domain.
 - OR PHYS 210 - General Physics I Credits: 4
Available for General Education credit in the Nature and Technology Domain.
 - OR PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4
Available for General Education credit in the Nature and Technology Domain.
- ~~• TECH 417 - Design for Energy Efficiency and Green Materials Credits: 3~~
- TECH 484 - Energy Management Credits: 3

Select ~~three~~ **two** of the following **sustainable** technology/engineering-based courses (9

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

6-7)

- EAE 256 - Maps and Mapping Credits: 3
Available for General Education credit in the Society and Culture Domain.
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- EAE 459 - Geographic Information Systems Credits: 3
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
- TECH 411 - Environmental Sustainability Practices for Industrial Operations Credits: 3
- TECH 417 - Design for Energy Efficiency and Green Materials Credits: 3
- TECH 419 - Energy Auditing Credits: 3
- TECH 438 - Safety in Transportation Systems Credits: 3
- ~~• TECH 445 - Industrial Energy Utilization and Environmental Impacts Credits: 3~~
- ~~• TECH 484 - Energy Management Credits: 3~~

~~Select three of the following applications and natural science-based courses (9-10)~~

- ~~• BIOS 106 - Environmental Biology Credits: 3~~
- ~~• CHEM 427 - Environmental Chemistry Credits: 3~~
- ~~• ENVS 409 - Water Quality Credits: 4~~
 - ~~○ OR BIOS 409X - Water Quality Credits: 4~~
 - ~~○ OR GEOL 409X - Water Quality Credits: 4~~
 - ~~○ OR PHHE 409X - Water Quality Credits: 4~~
- ~~• GEOG 256 - Maps and Mapping Credits: 3~~
~~Available for General Education credit in the Society and Culture Domain.~~
- ~~• GEOG 359 - Introduction to Geographic Information Systems Credits: 3~~
- ~~• GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~• GEOG 406 - Natural Hazards and Environmental Risk Credits: 3~~
- ~~• GEOG 459 - Geographic Information Systems Credits: 3~~
- ~~• GEOL 421 - Environmental Geochemistry Credits: 3~~
- ~~• GEOL 425 - Engineering Geology Credits: 3~~
- ~~• GEOL 496 - Geophysics Credits: 3~~
- ~~• MET 430 - Micrometeorology Credits: 3~~

Select three of the following management and policy courses (9)

- EAE 453 - Environmental Management Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ECON 260 - Principles of Microeconomics Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ECON 386 - Environmental Economics Credits: 3
- MGMT 227 - Entrepreneurship, Innovation, and Sustainability Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
- MGMT 311 - Social Entrepreneurship Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
- MGMT 327 - Creativity, Innovation, and Entrepreneurship Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
- NNGO 301 - Philanthropy and Fundraising Credits: 3
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
- NNGO 352 - Nonprofit Program Development and Evaluation Credits: 3
- NNGO 492 - Grant Proposal Seminar Credits: 3
NNGO 492 is a writing infused course.
- POLS 220 - Introduction to Public Policy Credits: 3
Available for General Education credit in the Society and Culture Domain.
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.

Select one of the following humanities and social sciences courses (3)

- ANTH 420 - Waterworlds Credits: 3
↓
- ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ENVS 186X - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ~~ECON 386 - Environmental Economics Credits: 3~~
- ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3
- ~~GEOG 253 - Environment and Society Credits: 3~~
- ~~GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- ~~GEOG 455 - Land Use Planning Credits: 3~~
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
- HIST 389 - Global Climate History Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

HIST 389 is a writing infused course.

- ~~• MGMT 311 - Social Entrepreneurship Credits: 3~~

~~Available for General Education credit in the Creativity and Critical Analysis Domain.~~

- PHIL 334 - Animal Ethics Credits: 3

↓

- PHIL 338 - Philosophy of Food Credits: 3

~~Select one of the following law/policy courses (3)~~

- ~~• POLS 220 - Introduction to Public Policy Credits: 3~~

~~Available for General Education credit in the Society and Culture Domain.~~

- ~~• POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3~~

~~POLS 324 is a writing infused course.~~

Emphasis 3. Nature in Society **Environmental Justice** (30-32 31)

~~In this emphasis, students will study environmental issues through time and from diverse perspectives, preparing them to better understand and critically assess contemporary environmental challenges. The emphasis gives students broad exposure to how the environment is represented and researched in the social sciences and humanities. Throughout the emphasis, students will critically examine the notion of sustainability as a potential principle underlying and guiding human interaction with the environment. Students will investigate local and global manifestations of environmental problems and explore how rural/urban linkages influence sustainability.~~ Humans do not experience environmental benefits and risks uniformly. Climate change, pollution, habitat loss, and other environmental challenges impact some social groups more gravely than others. This emphasis helps students explore the causes and consequences of environmental inequities in the U.S. and around the world, as well as efforts to establish environmental justice, the sharing of environmental costs and benefits more equitably. Through courses in the emphasis, students will learn methods of historical and cross-cultural comparison to critically assess environmental challenges; examine multiple lines of environmental injustice, such as race, gender, and economic status; and compare and contrast interventions rooted in social movements, conflict mediation, governmental and non-governmental efforts. To prepare students for careers advocating for environmental justice, the emphasis includes a strong focus on environmental communication.

Requirements outside Environmental Studies (15 18)

Select ~~one~~ **two** of the following ~~humanities~~ **courses focused on environmental impacts on people** (3 6)

- **ANTH 420 - Waterworlds Credits: 3**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ANTH 420 also fulfills the Human Diversity Requirement.
 - OR ENVS 420X - Waterworlds Credits: 3ENVS 420X also fulfills the Human Diversity Requirement.
- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
 - OR ENVS 425X - Environment and Anthropology Credits: 3ENVS 425X is a writing infused course.
- ANTH 432 - Nature and the Environment Across Cultures Credits: 3
 - OR ENVS 432X - Nature and the Environment across Cultures Credits: 3
- ANTH 466 - Resource Conflicts and Environmental Peacebuilding Credits: 3
 - OR ENVS 466X - Resource Conflicts and Environmental Peacebuilding Credits: 3
- ~~ARTH 361 - History of Sustainable Design Credits: 3~~
~~ARTH 361 is a writing infused course.~~
~~Available for General Education credit in the Society and Culture Domain.~~
 - ~~OR ENVS 361X - History of Sustainable Design Credits: 3~~~~ENVS 361X is a writing infused course.~~
~~Available for General Education credit in the Society and Culture Domain.~~
- ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3
- EPFE 302 - Advocacy, Justice and Leadership in a Diverse Society Credits: 3
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
- ~~PHIL 334 - Animal Ethics Credits: 3~~
- PHIL 335 - Environmental Ethics Credits: 3
- PHIL 338 - Philosophy of Food Credits: 3
- ~~WGSS 201 - Global Gender Issues Credits: 3~~
~~Available for General Education credit in the Society and Culture Domain.~~
~~WGSS 201 also fulfills the Human Diversity Requirement.~~
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
 - OR ENVS 435X - Gender and the Environment Credits: 3ENVS 435X also fulfills the Human Diversity Requirement.

Select one of the following social sciences studies courses (3)

- ~~ANTH 420 - Waterworlds Credits: 3~~
 - ~~OR ENVS 420X - Waterworlds Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• ANTH 425 - Environment and Anthropology Credits: 3~~
~~ANTH 425 is a writing infused course.~~
 - ~~• OR ENVS 425X - Environment and Anthropology Credits: 3~~
~~ENVS 425X is a writing infused course.~~
- ~~• ECON 386 - Environmental Economics Credits: 3~~
- ~~• MGMT 311 - Social Entrepreneurship Credits: 3~~
~~Available for General Education credit in the Creativity and Critical Analysis Domain.~~
- BKST 200 - Racism in American Culture and Society Credits: 3
Available for General Education credit in the Society and Culture Domain.
BKST 200 also fulfills the Human Diversity Requirement.
- BKST 250X - Dismantling Global Racism Credits: 3
Available for General Education credit in the Society and Culture Domain.
BKST 250X also fulfills the Human Diversity Requirement.
 - OR ANTH 250 - Dismantling Global Racism Credits: 3
Available for General Education credit in the Society and Culture Domain.
ANTH 250 also fulfills the Human Diversity Requirement.
- LATS 100 - Introduction to Latin American Studies Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
LATS 100 also fulfills the Human Diversity Requirement.
- LATS 101 - Introduction to Latino Studies Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
LATS 101 also fulfills the Human Diversity Requirement.
- SEAS 225 - Southeast Asia: Crossroads of the World Credits: 3
Available for General Education credit in the Society and Culture Domain.
- WGSS 201 - Global Gender Issues Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 201 also fulfills the Human Diversity Requirement.

Select one of the following policy and intervention courses (3)

- ~~• GEOG EAE 453 - Environmental Management Credits: 3~~
- ECON 386 - Environmental Economics Credits: 3
- EPFE 302 - Advocacy, Justice and Leadership in a Diverse Society Credits: 3
- MGMT 311 - Social Entrepreneurship Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
- PHIL 351 - Social and Political Philosophy Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

PHIL 351 also fulfills the Human Diversity Requirement.

- ~~• POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3~~
~~POLS 324 is a writing infused course.~~
- ~~• POLS 330 - Bureaucracy and the Public Policy Process Credits: 3~~
 - ~~○ OR PSPA 330X - Bureaucracy and the Public Policy Process Credits: 3~~
- SOCI 379 - Collective Behavior and Social Movements Credits: 3
- SOCI 386 - Peace and Social Justice Credits: 3
- SOCI 392 - Organizing for Social Action Credits: 3
 - OR NNGO 392X - Organizing for Social Action Credits: 3

Select two of the following communication and writing courses (6)



Electives (~~15-16~~ 12-14)

Students must select ~~at least five~~ four of the following electives ~~from at least four different departments in the social sciences and humanities.~~ These courses must be different from the courses selected for the Requirements outside Environmental Studies section.

Select ~~at least two~~ one of the following social science courses (6 3)

- ANTH 343 - Extinction: Where the Wild Things Were Credits: 3
 - OR ENVS 343X - Extinction: Where the Wild Things Were Credits: 3
- ↓
- ANTH 466 - Resource Conflicts and Environmental Peacebuilding Credits: 3
 - OR ENVS 466X - Resource Conflicts and Environmental Peacebuilding Credits: 3
- ~~• ANTH 491 - Current Topics in Anthropology Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 430 - Population, Society, and the Environment Credits: 3
- EAE 453 - Environmental Management Credits: 3
- ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ENVS 186X - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ECON 386 - Environmental Economics Credits: 3
- ~~• GEOG 303 - Water Resources and the Environment Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~Available for General Education credit in the Nature and Technology Domain.~~

- ~~• GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- ~~• GEOG 430 - Population Geography Credits: 3~~
- ~~• GEOG 453 - Environmental Management Credits: 3~~
- ~~• GEOG 455 - Land Use Planning Credits: 3~~

- MGMT 311 - Social Entrepreneurship Credits: 3

Available for General Education credit in the Creativity and Critical Analysis Domain.

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- POLS 389 - International Law and Organization Credits: 3
- **SOCI 361 - Race and Ethnicity Credits: 3**
- SOCI 379 - Collective Behavior and Social Movements Credits: 3
- SOCI 386 - Peace and Social Justice Credits: 3

Select ~~at least two~~ **one** of the following humanities courses (~~6~~ **3**)

- ARTH 361 - History of Sustainable Design Credits: 3

ARTH 361 is a writing infused course.

Available for General Education credit in the Creativity and Critical Analysis Domain.

↓

- EPFE 302 - Advocacy, Justice and Leadership in a Diverse Society Credits: 3

- ~~• HIST 376 - U.S. Capitalism and its Critics Credits: 3~~

~~HIST 376 also fulfills the Human Diversity Requirement.~~

- HIST 377 - American Environmental History Credits: 3

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- HIST 389 - Global Climate History Credits: 3

HIST 389 is a writing infused course.

- ~~• HIST 465 - Gilded Age and Progressive Era Credits: 3~~

~~HIST 465 is a writing infused course.~~

~~HIST 465 also fulfills the Human Diversity Requirement.~~

- ~~• HIST 466 - Corporate America: 1900-1929 Credits: 3~~

- ~~• HIST 467 - The U.S. in Depression and War, 1929-1960 Credits: 3~~

~~HIST 467 also fulfills the Human Diversity Requirement.~~

- ~~• HIST 468 - America Since 1960 Credits: 3~~

~~HIST 468 also fulfills the Human Diversity Requirement.~~

- PHIL 331 - Ethics Credits: 3

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- PHIL 351 - Social and Political Philosophy Credits: 3

PHIL 351 also fulfills the Human Diversity Requirement.

- ~~• PHIL 353 - Philosophy of Law Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~● PHIL 430 - Topics in Ethics Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~
- ~~● PHIL 450 - Topics in Social and Political Philosophy Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~
- SCL 100 - Foundation of Social Change Leadership Credits: 3
Available for General Education credit in the Society and Culture Domain.
- SCL 200 - Application of Social Change Leadership Credits: 3
- ~~● WGSS 201 - Global Gender Issues Credits: 3~~
~~Available for General Education credit in the Society and Culture Domain.~~
~~WGSS 201 also fulfills the Human Diversity Requirement.~~
- ~~● WGSS 430 - Special Topics in Women's and Gender Studies Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~

Select at least one of the following science, engineering, and technology courses (3-4 3-8)

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
- ↓
- BIOS 407 - Restoration Ecology Credits: 3
- EAE 253 - Environment and Society Credits: 3
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 320 - Environments and Life Through Time Credits: 4
- EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
- EAE 455 - Land-Use Planning Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOG~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~● GEOG 253 - Environment and Society Credits: 3~~
- ~~● GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~● GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~● GEOG 455 - Land-Use Planning Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• GEOL 320 - Environments and Life Through Time Credits: 4~~
- ~~• GEOL 322 - Paleogeography, Paleoclimatology, Paleococology Credits: 4~~
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
- ~~• TECH 294 - Technology and Cultural Relevance Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~

Emphasis 4. Environmental Policy and Law (30-31)

This emphasis is designed to give students an understanding of how ~~American law and policy have responded~~ politics and law contribute to contemporary environmental problems and how policies can bring about sustainable solutions. ~~This includes how environmental law operates and the goals of specific laws, equipping students to evaluate and better understand environmental legal issues they might encounter in their subsequent studies and professional lives.~~ Focus on how social structures impact environmental issues, how and why governments respond, the structure of environmental laws, and how policy change can be achieved. Students are exposed to: a broad range of perspectives from political science to economics, anthropology and the law; the role of grassroots, regional, and national nonprofit organizations to advocate for policy change; and examine environmental issues at the individual, local, national, and global levels. The resulting understanding of how complex natural and social systems interact as well as how to assess and advocate for solutions prepares students for long-term career success in a variety of environment and policy-oriented fields.

Requirements outside Environmental Studies (9)

Select one of the following policy/~~law social science~~ courses (3)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
 - OR ENVS 425X - Environment and Anthropology Credits: 3
ENVS 425X is a writing infused course.
- ~~• ANTH 432 - Nature and the Environment Across Cultures Credits: 3~~
 - ~~○ OR ENVS 432X - Nature and the Environment across Cultures Credits: 3~~
- EAE 453 - Environmental Management Credits: 3
- ~~• GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- ~~• NNGO 429 - International NGOs and Globalization Credits: 3~~
~~NNGO 429 is a writing infused course.~~
~~NNGO 429 also fulfills the Human Diversity Requirement.~~
 - ~~○ OR ANTH 429X - International NGOs and Globalization Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~ANTH 429X is a writing infused course.~~
~~ANTH 429X also fulfills the Human Diversity Requirement.~~
~~OR SOCI 329X - International NGOs and Globalization Credits: 3~~
~~SOCI 329X is a writing infused course.~~
~~SOCI 329X also fulfills the Human Diversity Requirement.~~
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.
 - POLS 330 - Bureaucracy and the Public Policy Process Credits: 3
 - OR PSPA 330X - Bureaucracy and the Public Policy Process Credits: 3
 - POLS 385 - Global Environmental Politics Credits: 3
 - OR ENVS 385X - Global Environmental Politics Credits: 3
 - POLS 410 - Constitutional Law I Credits: 3

Select one of the following social sciences courses (3)

- ANTH 420 - Waterworlds Credits: 3
ANTH 420 also fulfills the Human Diversity Requirement.
 - OR ENVS 420X - Waterworlds Credits: 3
ENVS 420X also fulfills the Human Diversity Requirement.
- ANTH 423 - Environmental Anthropology of the Middle East: Cultural and Political Ecologies Credits: 3
ANTH 423 also fulfills the Human Diversity Requirement.
- ~~• ANTH 425 - Environment and Anthropology Credits: 3~~
~~ANTH 425 is a writing infused course.~~
 - ~~◦ OR ENVS 425X - Environment and Anthropology Credits: 3~~
~~ENVS 425X is a writing infused course.~~
- ANTH 432 - Nature and the Environment Across Cultures Credits: 3
 - OR ENVS 432X - Nature and the Environment across Cultures Credits: 3
- ~~• ANTH 464 - Disasters without Borders Credits: 3~~
 - ~~◦ OR NNGO 464X - Disasters without Borders Credits: 3~~
- ~~• ANTH 466 - Resource Conflicts and Environmental Peacebuilding Credits: 3~~
 - ~~◦ OR ENVS 466X - Resource Conflicts and Environmental Peacebuilding Credits: 3~~
- ECON 386 - Environmental Economics Credits: 3
- MGMT 311 - Social Entrepreneurship Credits: 3
Available for General Education credit in the Creativity and Critical Analysis Domain.
- POLS 340 - Political Analysis Credits: 3

Select one of the following humanities courses (3)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ENVS 435X - Gender and the Environment Credits: 3
↓
- HIST 389 - Global Climate History Credits: 3
HIST 389 is a writing infused course.
- **PHIL 331 - Ethics Credits: 3**
- PHIL 334 - Animal Ethics Credits: 3
↓
- PHIL 338 - Philosophy of Food Credits: 3

Electives (21-22)

These courses must be different from the courses selected for the Requirements outside Environmental Studies section.

Select two of the following policy courses (6)

- **EAE 453 - Environmental Management Credits: 3**
- ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - OR ENVS 186X - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ECON 260 - Principles of Microeconomics Credits: 3
- ECON 386 - Environmental Economics Credits: 3
- ~~GEOG 453 - Environmental Management Credits: 3~~
- POLS 302 - Government in Metropolitan Areas Credits: 3
 - OR PSPA 302X - Government in Metropolitan Areas Credits: 3
- POLS 303 - State and Local Government Credits: 3
- POLS 304 - American Public Opinion Credits: 3
- ~~POLS 307 - The U.S. Congress Credits: 3~~
~~POLS 307 is a writing infused course.~~
- ~~POLS 320 - Biopolitics and Human Nature Credits: 3~~
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.
↓
- POLS 331 - Public Administration Credits: 3
- **POLS 341 - Political Participation and Behavior Credits: 3**
- POLS 360 - Government and Politics in Western Europe Credits: 3
↓
- POLS 372 - Politics of China, Japan, and Korea Credits: 3
- ~~POLS 389 - International Law and Organization Credits: 3~~
- ~~POLS 410 - Constitutional Law I Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- SOCI 392 - Organizing for Social Action Credits: 3
 - OR NNGO 392X - Organizing for Social Action Credits: 3

Select two of the following communication and writing courses (6)

↓

Select two of the following ~~humanities~~ law-based courses (6)

- ~~HIST 323 - History of Science Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~HIST 361 - History of Health and Medicine in the United States Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
~~HIST 361 also fulfills the Human Diversity Requirement.~~
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
- HIST 389 - Global Climate History Credits: 3
HIST 389 is a writing infused course.
- MGMT 217 - Legal Environment of Business Credits: 3
- ~~PHIL 331 - Ethics Credits: 3~~
- ~~PHIL 334 - Animal Ethics Credits: 3~~
- ~~PHIL 335 - Environmental Ethics Credits: 3~~
- ~~PHIL 337 - Business Ethics Credits: 3~~
- ~~PHIL 338 - Philosophy of Food Credits: 3~~
- PHIL 351 - Social and Political Philosophy Credits: 3
PHIL 351 also fulfills the Human Diversity Requirement.
- PHIL 353 - Philosophy of Law Credits: 3
- ~~PHIL 430 - Topics in Ethics Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~
- ~~PHIL 450 - Topics in Social and Political Philosophy Credits: 3~~
~~Course taught on an intermittent basis and will count towards ENVS when the topic is appropriate.~~
- POLS 210 - Introduction to Law and Courts Credits: 3
Available for General Education credit in the Society and Culture Domain.
- POLS 285 - Introduction to International Relations Credits: 3
Available for General Education credit in the Society and Culture Domain.
- POLS 307 - The U.S. Congress Credits: 3
POLS 307 is a writing infused course.
- POLS 356 - American Political Thought I Credits: 3
- POLS 389 - International Law and Organization Credits: 3
- POLS 410 - Constitutional Law I Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- POLS 411 - Constitutional Law II Credits: 3
- POLS 414 - Topics in Law and Social Problems Credits: 3
- ~~WGSS 435 - Gender and the Environment Credits: 3~~
~~WGSS 435 also fulfills the Human Diversity Requirement.~~
 - ~~OR ENVS 435X - Gender and the Environment Credits: 3~~
~~ENVS 435X also fulfills the Human Diversity Requirement.~~

Select one of the following science, engineering, and technology courses (3-4)

- ANTH 311 - Archaeology of Food Credits: 3
 - ↓
- BIOS 407 - Restoration Ecology Credits: 3
- ~~CHEM 427 - Environmental Chemistry Credits: 3~~
- EAE 253 - Environment and Society Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 320 - Environments and Life Through Time Credits: 4
- EAE 323 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3
- EAE 487 - Community Geography Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOL~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~GEOG 253 - Environment and Society Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~GEOG 455 - Land Use Planning Credits: 3~~
- ~~GEOG 490 - Community Geography Credits: 3~~
- ~~GEOL 320 - Environments and Life Through Time Credits: 4~~
- ~~GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology Credits: 4~~
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~TECH 294 Technology and Cultural Relevance Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~

~~Emphasis 5. Water Sciences (38-42)~~

~~Whether it is for agriculture, industry, or personal consumption, current use of fresh water by humans is unsustainable. In many parts of the world, access to clean, safe drinking water is lacking. With the human population predicted to expand for the next 40-50 years demand for water will increase dramatically in the coming decades. It is essential that students pursuing environmental studies are well grounded in the economic, legal, physical, and biological facets of water resources. This emphasis is offered for the B.S. only.~~

~~Requirements outside Environmental Studies (14)~~

- ~~ENVS 409 Water Quality Credits: 4~~
 - ~~OR BIOS 409X Water Quality Credits: 4~~
 - ~~OR GEOL 409X Water Quality Credits: 4~~
 - ~~OR PHIE 409X Water Quality Credits: 4~~
- ~~GEOG 101 Introduction to Environmental Geography Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
 - ~~AND GEOG 102 Introduction to Environmental Geography Laboratory Credits: 1~~
 - ~~OR GEOL 120 Planet Earth Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
 - ~~AND GEOL 121 Planet Earth Laboratory Credits: 1~~
- ~~GEOG 303 Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~GEOL 390 Introduction to Groundwater Credits: 3~~
 - ~~OR GEOL 490 Hydrogeology Credits: 3~~

~~Select three of the following conceptually based courses (9-11)~~

- ~~ANTH 343 Extinction: Where the Wild Things Were Credits: 3~~
 - ~~OR ENVS 343X Extinction: Where the Wild Things Were Credits: 3~~
- ~~ANTH 420 Waterworlds Credits: 3~~
~~ANTH 420 also fulfills the Human Diversity Requirement.~~
 - ~~OR ENVS 420X Waterworlds Credits: 3~~
~~ENVS 420X also fulfills the Human Diversity Requirement.~~
- ~~BIOS 313 Microbiology Credits: 4~~
- ~~BIOS 406 Conservation Biology Credits: 4~~
- ~~BIOS 407 Restoration Ecology Credits: 3~~
- ~~CHEM 310 Introductory Organic and Biological Chemistry Credits: 3~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• CHEM 427 Environmental Chemistry Credits: 3~~
- ~~• GEOG 306 Severe and Hazardous Weather Credits: 3~~
- ~~• GEOG 492 Hydrology Credits: 3~~
 - ~~○ OR GEOL 492X Hydrology Credits: 3~~
- ~~• GEOL 421 Environmental Geochemistry Credits: 3~~
- ~~• GEOL 442 Geomorphology Credits: 3~~
 - ~~○ OR GEOG 442X Geomorphology Credits: 3~~
- ~~• GEOL 468 Geomicrobiology Credits: 3~~
 - ~~○ OR BIOS 468X Geomicrobiology Credits: 3~~
- ~~• GEOL 490 Hydrogeology Credits: 3~~
- ~~• GEOL 493 Groundwater Geophysics Credits: 3~~
- ~~• GEOL 496 Geophysics Credits: 3~~

~~Select three of the following methods-based courses (9-11)~~

- ~~• ENV 210 Introduction to Sustainable Food Systems Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~• GEOG 302 Soil Science Credits: 3~~
- ~~• GEOG 359 Introduction to Geographic Information Systems Credits: 3~~
- ~~• GEOG 368 Climate Change: Science, Impacts, and Mitigation Credits: 3~~
- ~~• GEOG 382 Geography of Disease and Health Credits: 3~~
- ~~• GEOG 403 Soils and Environmental Land Use Planning Credits: 3~~
- ~~• GEOG 406 Natural Hazards and Environmental Risk Credits: 3~~
- ~~• GEOG 453 Environmental Management Credits: 3~~
- ~~• GEOG 455 Land Use Planning Credits: 3~~
- ~~• GEOG 490 Community Geography Credits: 3~~
- ~~• GEOL 320 Environments and Life Through Time Credits: 4~~
 - ~~○ OR GEOL 322 Paleogeography, Paleoclimatology, Paleocology Credits: 4~~
- ~~• GEOL 425 Engineering Geology Credits: 3~~
- ~~• GEOL 477 Field Methods in Environmental Geosciences Credits: 4~~
~~GEOL 477 is a writing-infused course.~~
- ~~• GEOL 491 Geophysical Well Logging Credits: 3~~
- ~~• MET 430 Micrometeorology Credits: 3~~
- ~~• PHHE 351 Elements of Environmental Health Credits: 3~~
- ~~• STAT 300 Introduction to Probability and Statistics Credits: 3~~

~~Select one of the following engineering/technology-based courses (3)~~

- ~~• MEE 101 Energy and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~TECH 245 Pollution Prevention and Sustainable Production Credits: 3~~
- ~~TECH 437 Fundamentals of Industrial Hygiene Credits: 3~~
- ~~TECH 438 Safety in Transportation Systems Credits: 3~~
- ~~TECH 445 Industrial Energy Utilization and Environmental Impacts Credits: 3~~

~~Select one of the following humanities and social sciences courses (3)~~

- ~~ANTH 420 Waterworlds Credits: 3~~
~~ANTH 420 also fulfills the Human Diversity Requirement.~~
 - ~~OR ENVS 420X Waterworlds Credits: 3~~
 - ~~ENVS 420X also fulfills the Human Diversity Requirement.~~
- ~~ANTH 423 Environmental Anthropology of the Middle East: Cultural and Political Ecologies Credits: 3~~
~~ANTH 423 also fulfills the Human Diversity Requirement.~~
- ~~ANTH 425 Environment and Anthropology Credits: 3~~
~~ANTH 425 is a writing infused course.~~
 - ~~OR ENVS 425X Environment and Anthropology Credits: 3~~
 - ~~ENVS 425X is a writing infused course.~~
- ~~ANTH 432 Nature and the Environment Across Cultures Credits: 3~~
 - ~~OR ENVS 432X Nature and the Environment across Cultures Credits: 3~~
- ~~ANTH 466 Resource Conflicts and Environmental Peacebuilding Credits: 3~~
 - ~~OR ENVS 466X Resource Conflicts and Environmental Peacebuilding Credits: 3~~
- ~~ECON 186 Introduction to Environmental Economics Credits: 3~~
~~Available for General Education credit in the Society and Culture Domain.~~
 - ~~OR ENVS 186X Introduction to Environmental Economics Credits: 3~~
 - ~~Available for General Education credit in the Society and Culture Domain.~~
- ~~ECON 386 Environmental Economics Credits: 3~~
- ~~HIST 377 American Environmental History Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
~~HIST 377 also fulfills the Human Diversity Requirement.~~
- ~~HIST 389 Global Climate History Credits: 3~~
~~HIST 389 is a writing infused course.~~
- ~~MGMT 311 Social Entrepreneurship Credits: 3~~
~~Available for General Education credit in the Creativity and Critical Analysis Domain.~~
- ~~NNGO 429 International NGOs and Globalization Credits: 3~~
~~NNGO 429 is a writing infused course.~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~NNGO 429 also fulfills the Human Diversity Requirement.~~

~~○ OR ANTH 429X - International NGOs and Globalization Credits: 3~~

~~ANTH 429X is a writing infused course.~~

~~ANTH 429X also fulfills the Human Diversity Requirement.~~

~~○ OR SOCI 329X - International NGOs and Globalization Credits: 3~~

~~SOCI 329X is a writing infused course.~~

~~SOCI 329X also fulfills the Human Diversity Requirement.~~

~~● PHIL 334 - Animal Ethics Credits: 3~~

~~● PHIL 335 - Environmental Ethics Credits: 3~~

~~● PHIL 337 - Business Ethics Credits: 3~~

~~● PHIL 338 - Philosophy of Food Credits: 3~~

~~● POLS 220 - Introduction to Public Policy Credits: 3~~

~~Available for General Education credit in the Society and Culture Domain.~~

~~● POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3~~

~~● POLS 324 is a writing infused course.~~

Emphasis ~~6~~ **5**. Sustainable Food Systems (~~36-38~~ **30-31**)

↓

Select ~~five~~ **four** of the following courses (~~15-16~~ **12**)

These courses must be different from the courses selected for the Requirements outside Environmental Studies section.

● ANTH 420 - Waterworlds Credits: 3

ANTH 420 also fulfills the Human Diversity Requirement.

● ANTH 425- Environment and Anthropology Credits: 3

ANTH 425 is a writing infused course.

○ OR ENVS 425X - Environment and Anthropology Credits: 3

ENVS 425X is a writing infused course.

● EAE 302 - Soil Science Credits: 3

● EAE 424 - Geography of Food and Agriculture Credits: 3

● ENVS 210 - Introduction to Sustainable Food Systems Credits: 3

Available for General Education credit in the Nature and Technology Domain.

~~● GEOG 302 - Soil Science Credits: 3~~

~~● GEOG 425 - Geography of Food and Agriculture Credits: 3~~

~~● NUTR 404 - Nutrition and Community Food Systems Credits: 2-5~~

● PHIL 338 - Philosophy of Food Credits: 3

○ OR PHIL 334 - Animal Ethics Credits: 3

○ OR PHIL 335 - Environmental Ethics Credits: 3

● SCL 100 - Foundation of Social Change Leadership Credits: 3

Available for General Education credit in the Society and Culture Domain.

○ OR NNGO 100 - Community Leadership and Civic Engagement Credits:

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

3

Available for General Education credit in the Society and Culture Domain.

Select two of the following Entrepreneurship and Economics courses (6)

- ARTH 361 - History of Sustainable Design Credits: 3
Available for General Education credit in the Society and Culture Domain.
ARTH 361 is a writing infused course.
 - OR ENVS 361X - History of Sustainable Design Credits: 3
Available for General Education credit in the Society and Culture Domain.
ARTH 361 is a writing infused course.
- ECON 186 - Introduction to Environmental Economics Credits: 3
Available for General Education credit in the Society and Culture Domain.
↓
- MGMT 481 - Idea, Innovation, and Impact Accelerator Lab Credits: 3
- PSPA 412 - Public Budgeting Credits: 3
- TECH 438 - Safety in Transportation Systems Credits: 3

~~Select one of the following Urban, Community, and Policy courses (3)~~

- ~~• ANTH 420 - Waterworlds Credits: 3
ANTH 420 also fulfills the Human Diversity Requirement.~~
- ~~• GEOG 425 - Geography of Food and Agriculture Credits: 3~~
- ~~• GEOG 453 - Environmental Management Credits: 3~~
- ~~• GEOG 455 - Land Use Planning Credits: 3~~
- ~~• GEOG 463 - Urban Geography Credits: 3~~
- ~~• ILAS 444 - Comparative Urbanization Credits: 3~~
- ~~• POLS 220 - Introduction to Public Policy Credits: 3
Available for General Education credit in the Society and Culture Domain.
 - ~~○ OR PSPA 220X - Introduction to Public Policy Credits: 3
Available for General Education credit in the Society and Culture Domain.~~~~
- ~~• POLS 302 - Government in Metropolitan Areas Credits: 3
 - ~~○ OR PSPA 302X - Government in Metropolitan Areas Credits: 3~~~~
- ~~• POLS 326 - Nonprofit Management Credits: 3
 - ~~○ OR PSPA 326X - Nonprofit Management Credits: 3~~
 - ~~○ OR NNGO 303 - Nonprofit Administration for Social Justice Credits: 3~~~~
- ~~• POLS 331 - Public Administration Credits: 3
 - ~~○ OR PSPA 331X - Public Administration Credits: 3~~~~
- ~~• PSPA 320 - Public Service Leadership Credits: 3~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ~~• PSPA 412 - Public Budgeting Credits: 3~~
- ~~• PSPA 413 - Community Engagement in Public Service Agencies Credits: 3~~
- ~~• SOCI 335 - Immigration Credits: 3~~
 - ~~○ OR GEOG 335X - Immigration Credits: 3~~

Select one of the following Plant and Water Sciences courses (3-4)

- BIOS 209 - Fundamentals of Organismal Biology Credits: 3
 - ↓
- EAE 302 - Soil Science Credits: 3
- EAE 303 - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- EAE 490 - Hydrogeology Credits: 3
- EAE 492 - Hydrology Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOL~~ EAE 409X - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~• GEOG 302 - Soil Science Credits: 3~~
- ~~• GEOG 303 - Water Resources and the Environment Credits: 3~~
~~Available for General Education credit in the Nature and Technology Domain.~~
- ~~• GEOG 492 - Hydrology Credits: 3~~
 - ~~○ OR GEOL 492X - Hydrology Credits: 3~~
- ~~• GEOL 390 - Introduction to Groundwater Credits: 3~~
- ~~• GEOL 490 - Hydrogeology Credits: 3~~

Select two of the following Health and Nutrition courses (6)

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
- ANTH 449 - Primates and Food Credits: 3
- ~~GEOL~~ EAE 382 - Geography of Disease and Health Credits: 3
- NUTR 200A - Principles of Food Preparation Credits: 3↓
- NUTR 309 - Science of Nutrition Credits: 3
- ~~• NUTR 404 - Nutrition and Community Food Systems Credits: 2-5~~
- NUTR 406 - Global Food and Nutrition Issues Credits: 3
Available for General Education credit in the Nature and Technology Domain.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

NUTR 406 is a writing infused course.



- PHHE 439 - Funding for Programs in Public Health Credits: 3

Select one of the following Social and Cultural Change courses (3)

- ANTH 425 - Environment and Anthropology Credits: 3



- EPFE 440 - Education for Social Justice Credits: 3
Available for General Education credit in the Society and Culture Domain.
EPFE 440 also fulfills the Human Diversity Requirement.
- ~~• HIST 366 - Farms, Food, and Rural America Credits: 3~~
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.



- WGSS 201 - Global Gender Issues Credits: 3
Available for General Education credit in the Society and Culture Domain.
WGSS 201 also fulfills the Human Diversity Requirement.

Emphasis ~~7~~ 6. Educator Licensure - Environmental Science (95-97)



Five upper-division courses in environmental science (15)

- ENVS 301 - Environmental Science I: ~~Physical Systems~~ Credits: 3
- ENVS 302 - ~~Environmental Science II: Biological Systems~~ Sustainable Ecosystems Credits: 3
- ENVS 303 - ~~Environment in the~~ Nature in Society: Environmental Social Sciences and Humanities Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ENVS 304 - ~~Environmental Law, Policy, and Economics~~ Sustainability Governance: The Politics of Environmental Solutions Credits: 3
- ENVS 305X - Green Technologies Credits: 3
 - OR TECH 305 - Green Technologies Credits: 3

Electives in designated courses teaching environmental science concepts (12-14)

- ANTH 410 - Environmental Archaeology Credits: 3
- ANTH 420 - Waterworlds Credits: 3
ANTH 420 fulfills the Human Diversity Requirement.
 - OR ENVS 420X - Waterworlds Credits: 3
ENVS 420X fulfills the Human Diversity Requirement.
- ANTH 425 - Environment and Anthropology Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

ANTH 425 is a writing infused course.

- ANTH 432 - Nature and the Environment Across Cultures Credits: 3

- ARTH 361 - History of Sustainable Design Credits: 3

ARTH 361 is a writing infused course.

Available for General Education credit in the Society and Culture Domain.

- OR ENVS 361X - History of Sustainable Design Credits: 3

ENVS 361X is a writing infused course.

Available for General Education credit in the Society and Culture Domain.

- BIOS 406 - Conservation Biology Credits: 4

- BIOS 407 - Restoration Ecology Credits: 3

- BIOS 409X - Water Quality Credits: 4

- OR ENVS 409 - Water Quality Credits: 4

- OR ~~GEOL~~ EAE 409X - Water Quality Credits: 4

- OR PHHE 409X - Water Quality Credits: 4

- EAE 253 - Environment and Society Credits: 3

Available for General Education credit in the Nature and Technology Domain.

- EAE 303 - Water Resources and the Environment Credits: 3

Available for General Education credit in the Nature and Technology Domain.

- EAE 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3

- EAE 453 - Environmental Management Credits: 3

- EAE 455 - Land-Use Planning Credits: 3

- ECON 186 - Introduction to Environmental Economics Credits: 3

Available for General Education credit in the Society and Culture Domain.

- OR ENVS 186X - Introduction to Environmental Economics Credits: 3

Available for General Education credit in the Society and Culture Domain.

- ECON 386 - Environmental Economics Credits: 3

- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3

Available for General Education credit in the Nature and Technology Domain.

- ~~• GEOG 253 - Environment and Society Credits: 3~~

~~Available for General Education credit in the Nature and Technology Domain.~~

- ~~• GEOG 303 - Water Resources and the Environment Credits: 3~~

~~Available for General Education credit in the Nature and Technology Domain.~~

- ~~• GEOG 368 - Climate Change: Science, Impacts, and Mitigation Credits: 3~~

- ~~• GEOG 453 - Environmental Management Credits: 3~~

- ~~• GEOG 455 - Land-Use Planning Credits: 3~~

- ~~• GEOL 390 - Introduction to Groundwater Credits: 3~~

- HIST 377 - American Environmental History Credits: 3

Available for General Education credit in the Nature and Technology Domain.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

HIST 377 also fulfills the Human Diversity Requirement.

- HIST 389 - Global Climate History Credits: 3
HIST 389 is a writing infused course.
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
↓
- TECH 484 - Energy Management Credits: 3
- WGSS 435 - Gender and the Environment Credits: 3
WGSS 435 also fulfills the Human Diversity Requirement.
 - OR ENVS 435X - Gender and the Environment Credits: 3
ENVS 435X also fulfills the Human Diversity Requirement.

Additional course work outside of the department (32)

↓

Professional education courses, including (36)

- ENVS 403X - The Nature of Scientific Inquiry Credits: 2
 - OR BIOS 403X - The Nature of Scientific Inquiry Credits: 2
 - OR CHEM 403X - The Nature of Scientific Inquiry Credits: 2
 - OR ~~GEOL~~ EAE 403 - The Nature of Scientific Inquiry Credits: 2
 - OR PHYS 403X - The Nature of Scientific Inquiry Credits: 2
- ENVS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
ENVS 414X is a writing infused course.
 - OR BIOS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
BIOS 414X is a writing infused course.
 - OR CHEM 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
CHEM 414X is a writing infused course.
 - OR ~~GEOL~~ EAE 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
~~GEOL~~ EAE 414 is a writing infused course.
 - OR PHYS 414X - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
PHYS 414X is a writing infused course.
- ENVS 401 - Third Clinical High School Experience in Environmental Science Credits: 2
↓
- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Total Hours for a Major in Environmental Studies: ~~58-83~~ **61-75** (B.A.); or ~~65-81~~ **68-82** (B.S.)

Rationale: Several changes are recommended for each of the emphases within Environmental Studies. Addition of new courses, crosslistings, and update course titles. Adjustment of credit hours. Deletion of courses that are no longer taught. Energy Studies -- Change name to Sustainability and Energy and update description to reflect adjustments and make program available to B.A. students. Nature in Society -- Change name to Environmental Justice and update description to reflect adjusted emphasis. Environmental Policy -- Change name to Environmental Policy and Law and update description with more accurate details of what students learn in the emphasis. Water Sciences -- Delete entire emphasis. It is moving in an updated form to Earth, Atmosphere, and Environment. Sustainable Food Systems -- Change to Emphasis 5. Educator Licensure -- Change to Emphasis 6.

Impact Statement: All outside departments have been consulted regarding the addition of their courses to the ENVS programs. None of the departments identified any negative impact on course availability, enrollment, or teaching loads with these changes.

Other Catalog Change **CLAS22.23.08.34** 2022-23 UG Catalog [LINK](#)

Minor in Environmental Studies (~~21-23~~ **18-20)**

↓

Requirements (~~21-23~~ **18-20)**

Students must select at least ~~seven (7)~~ **six (6)** of the following courses. At least three (3) courses must be The remaining ~~two (2) courses~~ **one (1) course** must be selected from the courses listed below, if not previously used to fulfill the requirements for those categories.

Select three of the following environmental studies courses (9)

- **ENVS 200 - Introduction to Environment, Sustainability, and Energy Credits: 3**
- **ENVS 301 - Environmental Science I: Physical Systems Credits: 3**
- **ENVS 302 - Environmental Science II: Biological Systems Sustainable Ecosystems Credits: 3**
- **ENVS 303 - Environment in the Nature in Society: Environmental Social Sciences and Humanities Credits: 3**
Available for General Education credit in the Society and Culture Domain.
- **ENVS 304 - Environmental Law, Policy, and Economics Sustainability Governance: The Politics of Environmental Solutions Credits: 3**
- **TECH 305 - Green Technologies Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- OR ENVS 305X - Green Technologies Credits: 3

Select from one of the following natural sciences, engineering, and technology courses (3-4)

- BIOS 406 - Conservation Biology Credits: 4
- BIOS 407 - Restoration Ecology Credits: 3
- ~~GEOG~~ **EAE 303** - Water Resources and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ~~GEOG 455 - Land Use Planning Credits: 3~~
- ~~GEOL~~ **EAE 320** - Environments and Life Through Time Credits: 4
 - OR ~~GEOL 322~~ **EAE 323** - Paleogeography, Paleoclimatology, Paleoecology Credits: 4
- MEE 101 - Energy and the Environment Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- TECH 245 - Pollution Prevention and Sustainable Production Credits: 3
Available for General Education credit in the Nature and Technology Domain.

Select from one of the following humanities and social sciences courses (3)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
 - OR ENVS 425X - Environment and Anthropology Credits: 3
ENVS 425X is a writing infused course.
- ECON 386 - Environmental Economics Credits: 3
- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- **ENVS 242 - Polluted Places: The Science and History of the World's Most Toxic Locations Credits: 3** ***NEW COURSE**
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
↓
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.

Rationale: Reduce required credits to align with similar minors in the College of Liberal Arts & Sciences. Add ENVS 200 as an option in the ENVS courses section. Update the revised titles for the upper-level courses. Add ENVS 409 to the natural sciences, engineering, and technology courses section. Remove GEOG 455 from the natural sciences, engineering, and technology courses section (course not taught). Add ENVS 242 to the humanities and social sciences courses section. This is a new course that will be taught

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

from a science and history perspective.

Other Catalog Change

CLAS22.23.08.35

2022-23 UG Catalog

[LINK](#)

Sustainable Food Systems (13-14)

↓

Required Courses (4)

- ENVS 210 - Introduction to Sustainable Food Systems Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ENVS 490 - Undergraduate Research Credits: 1-3
Field Practicum **related to food and food systems (to be approved by advisor)**
Only 1 credit hour will be applied towards the certificate.

One course from each of the following sections (9-10)

Agriculture and Sustainability (3-4)

- ANTH 420 - Waterworlds Credits: 3
↓
- BIOS 209 - Fundamentals of Organismal Biology Credits: 3
 - AND BIOS 211 - Fundamentals of Organismal Biology Laboratory Credits: 1
- **EAE 302 - Soil Science Credits: 3**
- **EAE 453 - Environmental Management Credits: 3**
- ENVS 301 - Environmental Science I: Physical Systems Credits: 3
- ENVS 302 - ~~Environmental Science II: Biological Systems~~ **Sustainable Ecosystems** Credits: 3
- ENVS 409 - Water Quality Credits: 4
 - OR BIOS 409X - Water Quality Credits: 4
 - OR ~~GEOG 409~~ **EAE 409X** - Water Quality Credits: 4
 - OR PHHE 409X - Water Quality Credits: 4
- ~~GEOG 302 - Soil Science Credits: 3~~
- ~~GEOG 453 - Environmental Management Credits: 3~~

Food and Health (3)

- ANTH 311 - Archaeology of Food Credits: 3
 - OR ENVS 311X - Archaeology of Food Credits: 3
- ~~GEOG 425~~ **EAE 424** - Geography of Food and Agriculture Credits: 3
- NUTR 201 - Human Nutrition Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- NUTR 308 - Current Problems and Trends in Nutrition and Foods Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

NUTR 308 is a writing infused course.

- ~~NUTR 404 - Nutrition and Community Food Systems Credits: 2-5~~
~~Only 3 credit hours will be applied towards the certificate.~~
- NUTR 406 - Global Food and Nutrition Issues Credits: 3
Available for General Education credit in the Nature and Technology Domain.
NUTR 406 is a writing infused course.
- PHHE 295 - Introduction to Public Health Credits: 3
Available for General Education credit in the Nature and Technology Domain.

Social and Cultural (3)

- ANTH 425 - Environment and Anthropology Credits: 3
ANTH 425 is a writing infused course.
 - OR ENVS 425X - Environment and Anthropology Credits: 3
ENVS 425X is a writing infused course.
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
Available for General Education credit in the Nature and Technology Domain.
- ~~HIST 366 - Farms, Food, and Rural America Credits: 3~~
- HIST 377 - American Environmental History Credits: 3
Available for General Education credit in the Nature and Technology Domain.
HIST 377 also fulfills the Human Diversity Requirement.
↓
- SCL 200 - Application of Social Change Leadership Credits: 3
Available for General Education credit in the Society and Culture Domain.

Rationale: Update text for field practicum to better specify the types of experiences that would qualify. Update ENVS revised course names. Update EAE revised course designators/numbers. Remove NUTR 404 per department request. Remove HIST 366 since the course is not slated for teaching moving forward.

DEPARTMENT OF ENGLISH

Other Catalog Change

CLAS22.23.08.36

2022-23 UG Catalog

[LINK](#)

English Course List

↓

Literature Courses

28. ENGL 110 - Literature and Popular Culture Credits: 3

↓

29. ENGL 382 - Women Writers: The Tradition in English Credits: 3

30. ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- 31. ENGL 384 - Literary Nonfiction Credits: 3
- ↓
- 32. ENGL 499 - Topics in English Literature Credits: 3

Rationale: Revision to the title of ENGL 383.

Other Catalog Change

CLAS22.23.08.37

2022-23 UG Catalog

[LINK](#)

English (B.A. or B.S.)

↓

Track 1. English Studies in Literature, Language, and Film

↓

One of the following Diverse Literatures courses (3)

- 33. ENGL 335 - World Literature Credits: 3
- ↓
- 34. ENGL 382 - Women Writers: The Tradition in English Credits: 3
ENGL 382 is a writing infused course.
ENGL 382 also fulfills the Human Diversity Requirement.
- 35. ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
- 36. ENGL 474 - The International Short Story Credits: 3
ENGL 474 is a writing infused course.
- 37. ENGL 477 - Postcolonial and New Literatures in English Credits: 3
ENGL 477 fulfills the Human Diversity Requirement.

↓

Track 2. English Studies Leading to Secondary Licensure in English Language Arts

↓

One of the following Diverse Literatures courses (3)

- 38. ENGL 335 - World Literature Credits: 3
ENGL 335 is a writing infused course.
ENGL 335 fulfills the Human Diversity Requirement.
- ↓
- 39. ENGL 382 - Women Writers: The Tradition in English Credits: 3
ENGL 382 is a writing infused course.
ENGL 382 also fulfills the Human Diversity Requirement.
- 40. ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
- 41. ENGL 474 - The International Short Story Credits: 3
ENGL 474 is a writing infused course.
- 42. ENGL 477 - Postcolonial and New Literatures in English Credits: 3
ENGL 477 fulfills the Human Diversity Requirement.

↓

Track 3. English Studies in Writing

↓

One of the following Diverse Literatures courses (3)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

43. ENGL 335 - World Literature Credits: 3
ENGL 335 is a writing infused course.
ENGL 335 fulfills the Human Diversity Requirement.
↓
44. ENGL 382 - Women Writers: The Tradition in English Credits: 3
ENGL 382 is a writing infused course.
ENGL 382 also fulfills the Human Diversity Requirement.
45. ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
46. ENGL 474 - The International Short Story Credits: 3
ENGL 474 is a writing infused course.
47. ENGL 477 - Postcolonial and New Literatures in English Credits: 3
ENGL 477 fulfills the Human Diversity Requirement.

↓

Rationale: Revision to the title of ENGL 383.

DEPARTMENT OF MATHEMATICAL SCIENCES

Other Catalog Change

CLAS22.23.08.38

2022-23 UG Catalog

[LINK](#)

Mathematical Sciences (B.S.)

↓

Emphasis 4. Mathematics Education

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Requirements in Department (40)

- MATH 229 - Calculus I Credits: 4
↓
- MATH 413 - Student Teaching (Secondary) in Mathematics Credits: 7-12
Admission to MATH 413 is dependent on the availability of resources.
Students are normally admitted to MATH 413 only after satisfactory completion of MATH 412 at NIU and all other course work required for licensure.
- **MATH 416 - Topics in Mathematics for Teachers Credits: 3**
- MATH 420 - Abstract Algebra I Credits: 3
- MATH 430 - Elementary Real Analysis I Credits: 3

One of the following (3)

- **MATH 336 - Ordinary Differential Equations Credits: 3**
- MATH 380 - Elementary Combinatorics Credits: 3
- ~~MATH 416 - Topics in Mathematics for Teachers Credits: 3~~
- **MATH 421 - Abstract Algebra II Credits: 3**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- MATH 423 - Linear and Multilinear Algebra Credits: 3
- MATH 431 - Elementary Real Analysis II Credits: 3
- MATH 434 - Numerical Linear Algebra Credits: 3
- MATH 435 - Numerical Analysis Credits: 3
- MATH 440 - Elements of Complex Analysis Credits: 3
- MATH 444 - Linear Programming and Network Flows Credits: 3
- MATH 445 - Mathematics of Data Science Credits: 3
- MATH 450 - Introduction to Topology Credits: 3
- MATH 456 - Linear Geometry Credits: 3
- MATH 480 - Number Theory Credits: 3
- STAT 400 - Introduction to Probability Theory Credits: 3
 - OR ACSC 400X - Introduction to Probability Theory Credits: 3

~~One additional course from the following (3)~~

- ~~• MATH 336 - Ordinary Differential Equations Credits: 3~~
- ~~• MATH 421 - Abstract Algebra II Credits: 3~~
- ~~• MATH 423 - Linear and Multilinear Algebra Credits: 3~~
- ~~• MATH 431 - Elementary Real Analysis II Credits: 3~~
- ~~• MATH 456 - Linear Geometry Credits: 3~~
- ~~• MATH 480 - Number Theory Credits: 3~~
- ~~• STAT 400 - Introduction to Probability Theory Credits: 3~~
 - ~~○ OR ACSC 400X - Introduction to Probability Theory Credits: 3~~

Requirements outside Department (7)

↓

Special Departmental Requirements for Licensure

↓

Retention

Students admitted to the licensure program must:

- Maintain a GPA of 2.50 in all course work taken at NIU;
 - ↓
- Complete a satisfactory review of progress each semester with a Coordinator of Educator Licensure in the Department of Mathematical Sciences;
- ~~• Take and pass the Test of Academic Proficiency (TAP) of the Illinois Licensure Testing System (ILTS) or meet the ACT/SAT/TAP substitution according to the Illinois State Board of Education rules;~~
- Take and pass the ILTS Mathematics Content Exam prior to applying for MATH 401/Student Teaching;
- Take and pass the Teacher Performance Assessment (edTPA) before

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

completion of the program

Clinical Requirements



Additional Requirements

For detailed information, see “University Graduation Requirements.”



~~Documentation of the completion of a first aid course, experience with drug abuse education, or an education experience with other social issues in schools (may be satisfied by course work or an approved experience).~~

Exit Examination



Total Hours for Emphasis 4, Mathematics Education: 47

Rationale: 1) Because Math 416 satisfies many of the standards and performance indicators required for accreditation by outside agencies but can only be counted for accreditation as a required course, we propose changing Math 416 from an elective to a required course. 2) Instead of two separate lists from which students could choose one course each, we now condense the lists and students can choose one additional course from a single list. We also added Math 445, a new course that could enhance students’ data literacy, to the list of possible electives. There is no change to the number of credits needed for the program. 3) The ISBE no longer requires a minimal score on any of these tests for licensure. 4) Completion of first aid, drug abuse education, or other approved experiences are not required by the other secondary licensure programs at NIU. We want to align our requirements with other programs.

CENTER FOR NONPROFIT AND NGO STUDIES

New Course

CLAS22.23.08.39

2022-23 UG Catalog

[LINK](#)

CIP Code: 52.0206

Course Component: LEC

NNGO 402X - Resource Strategies for Nonprofit Organizations

Cross-listed as MGMT 402X and PSPA 402. Introductory survey of resource strategies for nongovernmental public service organizations; including fundraising, grant writing, volunteer management, and oversight roles.

Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: The jointly appointed faculty to public administration and NNGO (Schatteman) created this course as the follow up to PSPA 301. We are requesting that PSPA 402 be crosslisted as NNGO 402X so we can also schedule and teach this class. PSPA 402 is an elective for NNGO majors and minors, and for the minor in social entrepreneurship as MGMT 402X (although it has never been offered as MGMT 402X). It has the potential to draw students from NNGO as well as MGMT but it has only ever been offered three times by PSPA (fall 2012, spring 2014 and spring 2016). NNGO would like to be able to offer this class which contributes to our offering of nonprofit classes for majors, minors, and certificate students; and could potentially interest MGMT students. Non-Duplication: None - not required for the cross-listing of an existing course.

Other Catalog Change

CLAS22.23.08.40

2022-23 UG Catalog

[LINK](#)

Nonprofit and NGO Studies (B.A. or B.S.)



Requirements in Center (24)

- ~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
Available for General Education credit in the Society and Culture Domain.
- NNGO 301~~X~~ - Philanthropy and Fundraising Credits: 3
 - ~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~
- NNGO 302 - Introduction to Research in Non-Governmental Organizations and Communities Credits: 3
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
- ~~NNGO 350 - Community Organizations in a Digital World Credits: 3~~
- ~~OR~~ NNGO 351 - Nonprofit Boards and Governance Credits: 3
 - OR NNGO 352 - Nonprofit Program Development and Evaluation Credits: 3
- NNGO 429 - International NGOs and Globalization Credits: 3
- ↓
- NNGO 495 - Capstone Seminar in Nonprofit and NGO Studies Credits: 3
NNGO 495 is a writing infused course.



Electives (15)

- ACCY 288 - Fundamentals of Accounting Credits: 3
- **ANTH 250 - Dismantling Global Racism Credits: 3**
Available for general education credit.
ANTH 250 also fulfills the Human Diversity Requirement.
 - **OR BKST 250X - Dismantling Global Racism Credits: 3**
Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

BKST 250X also fulfills the Human Diversity Requirement.

- ANTH 301 - American Culture Credits: 3
ANTH 301 also fulfills the Human Diversity Requirement.
↓
- ECON 386 - Environmental Economics Credits: 3
- ENVS 301 - Environmental Science I: Physical Systems Credits: 3
- ENVS 302 - ~~Environmental Science II: Biological Systems~~ **Sustainable Ecosystems** Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
Available for General Education credit in the Society and Culture Domain.
- ENVS 304 - ~~Environmental Law, Policy, and Economics~~ **Sustainability Governance: The Politics of Environmental Solutions** Credits: 3
- ENVS 305X - Green Technologies Credits: 3
↓
- JOUR 401 - Editorial and Opinion Writing Credits: 3
- **NGO 350 - Community Organizations in a Digital World Credits: 3**
- NGO 390 - Special Topics in Nonprofit and NGO Studies Credits: 3
- **NGO 392X - Organizing for Social Action Credits: 3**
 - **OR SOCI 392 - Organizing for Social Action Credits: 3**
- NGO 490 - Nonprofit and NGO Studies Internship Credits: 1-3
Students must take 3 credit hours in this course.
- **NGO 492 - Grant Proposal Seminar Credits: 3**
NGO 492 is a writing infused course.
- NUTR 406 - Global Food and Nutrition Issues Credits: 3
NUTR 406 is a writing infused course.
Available for General Education credit in the Society and Culture Domain.
↓
- PSPA 332 - Strategic Performance Management of Public Service Organizations Credits: 3
- PSPA 402 - Resource Strategies for Nonprofit Organizations Credits: 3
 - OR MGMT 402X - Resources Strategies for Nonprofit Organizations Credits: 3
 - **OR NGO 402X - Resources Strategies for Nonprofit Organizations Credits: 3**
- **REHB 200 - Disability in Society Credits: 3**
- SOCI 375 - Sociology of Organizations Credits: 3
↓
- THEA 371 - History of Theatre and Drama II Credits: 3
THEA 371 is a writing infused course.
- **WGSS 201 - Global Gender Issues Credits: 3**

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- WGSS 202 - Women and Cultural Expression Credits: 3
WGSS 202 also fulfills the Human Diversity Requirement.
Available for General Education credit in the Creativity and Critical Analysis Domain.

Total Hours for a Major in Nonprofit and NGO Studies: 51-63 (B.A.) OR 63-68 (B.S.)

Rationale: 1) Move NNGO from required to elective -- Students currently have a choice among three courses (including NNGO 350) to fulfill the degree requirements. NNGO 350 has not been taught in several years. The other two courses are offered once per year so this change confirms what is already taking place in practice. Other departments also have courses that could fulfill the student's interest in this area. 2) Addition to list of electives -- NNGO would like to add several new and relevant courses to the list of possible electives for the major and the minor. We also currently do not have many 200 level courses so this would assist students to take classes related to their area of interest sooner in the NNGO program. These courses are very relevant to the work of nonprofits and NGOs. We are also adding the NNGO courses that were approved last year, to our electives (NNGO 492 and NNGO 392x). 3) Revisions to ENVS 301, ENVS 302, ENVS 303, and ENVS 304.

Impact Statement: All of the departments (ANTH/REHB/WGSS) have been consulted regarding the addition of their courses to the list of requirements. None of the departments identified any negative impact on course availability, enrollment, or teaching loads with these changes.

Notification: Nonprofit and NGO Studies was notified of the ENVS changes via email on October 31, 2022.

Other Catalog Change

CLAS22.23.08.41

2022-23 UG Catalog

[LINK](#)

Minor in Nonprofit and NGO Studies (18)



Requirements in center (9)

- NNGO 100 - ~~Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers** Credits: 3
NNGO 100 is available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- NNGO 303 - Nonprofit Administration for Social Justice Credits: 3
- ~~NNGO 350 - Community Organizations in a Digital World Credits: 3~~
- ~~OR~~ NNGO 351 - Nonprofit Boards and Governance Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- OR NNGO 352 - Nonprofit Program Development and Evaluation Credits: 3
- OR NNGO 429 - International NGOs and Globalization Credits: 3
NNGO 429 is a writing infused course.
NNGO 429 also fulfills the Human Diversity Requirement.

Electives

Three of the following from three different departments (9)

- ANTH 250 - Dismantling Global Racism Credits: 3
Available for general education credit.
 - OR BKST 250X - Dismantling Global Racism Credits: 3
Available for general education credit.
- ANTH 329 - Anthropology and Contemporary World Problems Credits: 3
ANTH 329 also fulfills the Human Diversity Requirement.
- ANTH 464 - Disasters without Borders Credits: 3
 - OR NNGO 464X - Disasters without Borders Credits: 3
- NNGO 301~~X~~ - Philanthropy and Fundraising Credits: 3
 - ~~OR PSPA 301 - Philanthropy and Fundraising Credits: 3~~
- NNGO 201 - Nonprofit and NGO Career Exploration Credits: 1
- NNGO 350 - Community Organizations in a Digital World Credits: 3
- NNGO 351 - Nonprofit Boards and Governance Credits: 3
- NNGO 352 - Nonprofit Program Development and Evaluation Credits: 3
- NNGO 390 - Special Topics in Nonprofit and NGO Studies Credits: 3
- NNGO 392X - Organizing for Social Action Credits: 3
 - OR SOCI 392 - Organizing for Social Action Credits: 3
- NNGO 429 - International NGOs and Globalization Credits: 3
NNGO 429 is a writing infused course.
NNGO 429 also fulfills the Human Diversity Requirement.
↓
- NNGO 490 - Nonprofit and NGO Studies Internship Credits: 1-3
- NNGO 492 - Grant Proposal Seminar Credits: 3
NNGO 492 is a writing infused course.
- PSPA 320 - Public Service Leadership Credits: 3
- PSPA 328 - Role of Nongovernmental Organizations in Development Credits: 3
- PSPA 402 - Resource Strategies for Nonprofit Organizations Credits: 3
 - OR MGMT 402X - Resources Strategies for Nonprofit Organizations Credits: 3
- SOCI 375 - Sociology of Organizations Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- SOCI 379 - Collective Behavior and Social Movements Credits: 3

Rationale: Update the title of NNGO 100. Remove NNGO 350 from the list of required courses since it has not been taught in several years. NNGO would like to add several new and relevant courses to the list of possible electives for the major and the minor. We also currently do not have many 200 level courses so this would assist students to take classes related to their area of interest sooner in the NNGO program. These courses are very relevant to the work of nonprofits and NGOs. Remove PSPA 301 since has been deleted; remove the X from NNGO 301X since it has been revised.

Impact Statement: The Department of Anthropology has been consulted regarding the addition of ANTH 250 to the list of requirements. They did not identify any negative impact on course availability, enrollment, or teaching loads with this change.

DEPARTMENT OF POLITICAL SCIENCE

New Course **CLAS22.23.08.42** 2022-23 UG Catalog [LINK](#)

CIP Code: 45.1001 Course Component: LEC

POLS 385 - Global Environmental Problems

Crosslisted as ENVS 385X. Analysis of the international relations of global environmental problems with particular emphasis on cooperation and interstate negotiations.

Credits: 3

Rationale: Global environmental problems—climate change, biodiversity loss, depletion of freshwater resources, the hole in the ozone layer, the international transport of hazardous waste, and many more—have become increasingly pressing political concerns around the world. Our students are aware and concerned about these issues and have professional and personal interests in helping to find solution. This course will provide a background in the global nature of these political challenges and their proposed governance. Non-Duplication: The Departments of EAE and SOCI were consulted with regard to this course and has indicated there is no significant duplication with any of their current course offerings.

DEPARTMENT OF PSYCHOLOGY

Other Catalog Change **CLAS22.23.08.43** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Psychology (B.A. or B.S.)

↓

Requirements in Department (35)

↓

One of the following (4)

- PSYC 410 - Research Laboratory in Experimental Psychology: Perception Credits: 4
PSYC 410 is a writing infused course.

↓

- PSYC 413 - Research Laboratory in Psychopathology Credits: 4
PSYC 413 is a writing infused course.
- PSYC 414 - Research Laboratory in School Psychology Credits: 4
PSYC 414 is a writing infused course.
- PSYC 431 - Research Laboratory in Neuropsychology Credits: 4
PSYC 431 is a writing infused course.

↓

- PSYC 464 - Research Laboratory in Developmental Psychology Credits: 4
PSYC 464 is a writing infused course.

↓

Requirements outside Department (B.A., 3-16; B.S., 14-16)

↓

For the B.S. degree

Laboratory science/mathematical/computational skills sequence (12-16)

[Students selecting a sequence that does not include STAT 200 (4) or STAT 300 (3) or UBUS 223 (3) will also be required to take one of these courses or STAT 100 (3) as a co-requisite for PSYC 305 (with a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223) is a prerequisite for PSYC 306 and 4-credit lab courses.)]

See “College Requirement for the B.S. Degree” in the Other Graduation Requirements section of this catalog.

Total Hours for a Major in Psychology: 38-51 (B.A.) OR 49-51 (B.S.)

Rationale: We are adding PSYC 414 to the lab course options for students, which was overlooked as a program change last year when the course was created. An ambiguity was brought to our attention by the CLAS advising office regarding the B.S. requirements. This change specifies that a C or better is required in STAT but not in PSYC 305.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

**CENTER FOR THE STUDY OF WOMEN, GENDER, AND
SEXUALITY**

Other Catalog Change

CLAS22.23.08.44

2022-23 UG Catalog

[LINK](#)

Women, Gender, and Sexuality Studies (B.A. or B.S.)

↓

Electives (15)

Students choose 15 credit hours of electives from the following list

48. ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3

↓

49. ENGL 382 - Women Writers: The Tradition in English Credits: 3

ENGL 382 is a writing infused course.

ENGL 382 also fulfills the Human Diversity Requirement.

50. ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3

ENGL 383 is a writing infused course.

ENGL 383 also fulfills the Human Diversity Requirement.

51. ENGL 434X - Language and Gender Credits: 3

ENGL 434X also fulfills the Human Diversity Requirement.

52. ↓

53. WGSS 450 - Transgender Studies Credits: 3

WGSS 450 also fulfills the Human Diversity Requirement.

↓

Rationale: Revision to the title of ENGL 383. Notification: The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 31, 2022.

Other Catalog Change

CLAS22.23.08.45

2022-23 UG Catalog

[LINK](#)

Minor in LGBTQ+ Studies (18)

↓

Three of the following (9)

- ANTH 422 - Gender in Southeast Asia Credits: 3

ANTH 422 is a writing infused course.

↓

- COMS 410 - Communication and Gender Credits: 3

COMS 410 also fulfills the Human Diversity Requirement.

This is a society and culture general education course for the Social Justice and Diversity Pathway.

- ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3

ENGL 383 is a writing infused course.

ENGL 383 also fulfills the Human Diversity Requirement.

- ENGL 400 - Literary Topics Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

May be counted toward the minor when topic is appropriate.

- ↓
- WGSS 450 - Transgender Studies Credits: 3
WGSS 450 also fulfills the Human Diversity Requirement.

Rationale: Revision to the title of ENGL 383. Notification: The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.08.46** 2022-23 UG Catalog [LINK](#)

Minor in Women's and Gender Studies (18)

↓
Three of the following (9)

- ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3
↓
- ENGL 382 - Women Writers: The Tradition in English Credits: 3
ENGL 382 is a writing infused course.
ENGL 382 also fulfills the Human Diversity Requirement.
- ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.
- ENGL 434X - Language and Gender Credits: 3
- ENGL 434X fulfills the Human Diversity Requirement.
- WGSS 450 - Transgender Studies Credits: 3
WGSS 450 also fulfills the Human Diversity Requirement.

Rationale: Revision to the title of ENGL 383. Notification: The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.08.47** 2022-23 UG Catalog [LINK](#)

Lesbian, Gay, Bisexual, Transgender, and Queer+ Studies (12)

↓
Three of the following (9)

- ANTH 422 - Gender in Southeast Asia Credits: 3
ANTH 422 is a writing infused course.
- ANTH 468 - Anthropology of Gender Credits: 3
- COMS 410 - Communication and Gender Credits: 3
COMS 410 also fulfills the Human Diversity Requirement.
Available for general education credit.
This is a society and culture general education course for the Social Justice and Diversity Pathway.
- ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.
ENGL 383 also fulfills the Human Diversity Requirement.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- ENGL 400 - Literary Topics Credits: 3
May be counted toward the certificate when topic is appropriate.
↓
- WGSS 432 - Feminist and Queer Theories Credits: 3

Rationale: Revision to the title of ENGL 383. Notification: The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 31, 2022.

Other Catalog Change **CLAS22.23.08.48** 2022-23 UG Catalog [LINK](#)

Women's and Gender Studies (12)

↓

Two of the following courses in any field, focused on women and/or gender (6)

- ANTH 361 - Cross-Cultural Perspectives on Women Credits: 3
↓
- ENGL 382 - Women Writers: The Tradition in English Credits: 3
ENGL 382 is a writing infused course.
ENGL 382 also fulfills the Human Diversity Requirement.
- ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature Credits: 3
ENGL 383 is a writing infused course.

ENGL 383 also fulfills the Human Diversity Requirement.

- ENGL 434X - Language and Gender Credits: 3
ENGL 434X also fulfills the Human Diversity Requirement.
 - OR WGSS 434 - Language and Gender Credits: 3
WGSS 434 also fulfills the Human Diversity Requirement.

↓

- WGSS 439 - Independent Study in Women, Gender, and Sexuality Studies Credits: 3

Rationale: Revision to the title of ENGL 383. Notification: The Center for the Study of Women, Gender, and Sexuality was notified of this change via email on October 31, 2022.

OTHER COLLEGES

COLLEGE OF BUSINESS

MANAGEMENT (MGMT)

Other Catalog Change **CLAS22.23.08.49** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Minor in Social Entrepreneurship (21-24)



One of the following (3)

- ACCY 480 - Governmental and Not-For-Profit Accounting Credits: 3
- BKST 219 - Introduction to African Studies Credits: 3
Available for general education credit.
This is a society and culture general education course for the Global Connections Pathway.
- ECON 386 - Environmental Economics Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
Available for general education credit.
This is a society and culture general education course for the Sustainability Pathway.
- ENVS 304 - ~~Environmental Law, Policy, and Economics~~ **Sustainability Governance: The Politics of Environmental Solutions** Credits: 3
↓
- TECH 305 - Green Technologies Credits: 3
 - OR ENVS 305X - Green Technologies Credits: 3

Rationale: Revisions to ENVS 303 and ENVS 304. Notification: The Department of Management was notified of these changes via email on October 31, 2022.

COLLEGE OF ENGINEERING & ENGINEERING TECHNOLOGY

INDUSTRIAL AND SYSTEMS ENGINEERING (ISYE)

Other Catalog Change

CLAS22.23.08.50

2022-23 UG Catalog

[LINK](#)

Minor in Sustainable Engineering (20-21)



Interdisciplinary Elective Courses (6)

Select two of the following:

- ENVS 301 - Environmental Science ~~I- Physical Systems~~ Credits: 3
- ENVS 302 - ~~Environmental Science II: Biological Systems~~ **Sustainable Ecosystems** Credits: 3
- ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences and Humanities Credits: 3
Available for general education credit.
This is a society and culture general education course for the Sustainability Pathway.
- ENVS 304 - ~~Environmental Law, Policy, and Economics~~ **Sustainability Governance: The Politics of Environmental Solutions** Credits: 3
- POLS 324 - Politics of Environmental Health and Safety Regulation Credits: 3
POLS 324 is a writing infused course.
- TECH 305 - Green Technologies Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- OR ENVS 305X - Green Technologies Credits: 3

Rationale: Revisions to ENVS 301, ENVS 302, ENVS 303, and ENVS 304. Notification: Industrial Engineering was notified of these changes via email on October 31, 2022.

ENGINEERING TECHNOLOGY (TECH)

Other Catalog Change

CLAS22.23.08.51

2022-23 UG Catalog

[LINK](#)

Engineering Technology (B.S.)

↓

Emphasis 4. Energy and Environmental Engineering Technology

↓

Technical Electives (6)

Two of the following:

- EAE 403 - Soils and Environmental Land Use Planning Credits: 3
 - ENVS 301 - Environmental Science I: Physical Systems Credits: 3
 - ENVS 302 - Environmental Science II: Biological Systems Sustainable Ecosystems Credits: 3
 - TECH 409 - Internship Credits: 3
- ↓
- TECH 479 - Special Topics in Engineering Technology Credits: 3

Requirements outside Department (27-28)

- CHEM 110 - Chemistry Credits: 3
Available for general education credit.
↓
- EAE 359 - Introduction to Geographic Information Systems Credits: 3
- ENVS 304 - Environmental Law, Policy, and Economics Sustainability Governance: The Politics of Environmental Solutions Credits: 3
- MATH 155 - Trigonometry and Elementary Functions Credits: 3
Available for general education credit.
↓
- STAT 100 - Basic Statistics Credits: 3
Available for general education credit.

- OR STAT 200 - Elementary Statistics Credits: 4

Rationale: Revisions to ENVS 301, ENVS 302, and ENVS 304. Notification: TECH was notified of these changes via email on October 31, 2022.

COLLEGE OF EDUCATION

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

CURRICULUM AND INSTRUCTION (LTCY, LTIC, LTLA, LTRE, MLTL, TLCI, TLEE)

Other Catalog Change

CLAS22.23.08.52

2022-23 UG Catalog

[LINK](#)

Elementary Education (B.S.Ed.)

↓

Requirements outside Department (57)

↓

Science laboratory

↓

Physical Science Courses

- CHEM 100 - Chemistry in Everyday Life Credits: 3
Available for general education credit.
 - OR CHEM 110 - Chemistry Credits: 3
Available for general education credit.
 - AND CHEM 111 - Chemistry Laboratory Credits: 1
Available for general education credit.
 - OR ENVS 301 - Environmental Science ~~1 - Physical Systems~~ Credits: 3
 - OR PHYS 150 - Physics Credits: 3
Available for general education credit.

Rationale: Revised title for ENVS 301. Notification: Curriculum and Instruction was notified of this change via email on October 31, 2022.

ALL UNIVERSITY SECTION

Other Catalog Change

CLAS22.23.09.04

2022-23 UG Catalog

[LINK](#)

Human Diversity Requirement List of Courses

↓

Course list

- AHLS 450 - Laboratory Management Principles and Processes Credits: 3
 - ↓
- PHIL 355 - Feminism and Philosophy Credits: 3
- POLS 342 - Gender and Politics Credits: 3
- POLS 355 - African-American Political Thought Credits: 3
- POLS 370 - Ethnicity, Religion, and Global Politics Credits: 3
- POLS 373 - Women and Politics Credits: 3
 - ↓
- WGSS 450 - Transgender Studies Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Rationale: Addition of POLS 342 and POLS 370 to the list of HD courses.

UNDERGRADUATE ITEMS

Approved Through the Non-Expedited Process

COLLEGE OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF BIOLOGICAL SCIENCES

New Course **CLAS22.23.09.05** 2022-23 UG Catalog [LINK](#)

CIP Code: 26.0404 Course Component: LEC

BIOS 429 - Human Embryology

Progression of human embryonic development from fertilization to parturition. Emphasis on description of development in major organ systems of the body and selected cellular and molecular mechanisms that induce these systems.

Prerequisites & Notes

PRQ: BIOS 311 or BIOS 357 or BIOS446; or consent of department.

Credits: 3

Rationale: This is a topic of interest to many pre-health students, and provides another elective for Biology undergraduate students (as well as students from other majors, like Anthropology, Health Sciences, pre-Nursing, etc). Non-Duplication: None. No other departments offer a course that duplicates this content.

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

Other Catalog Change **CLAS22.23.09.06** 2022-23 UG Catalog [LINK](#)

Educator Licensure - ~~Geology and Environmental Geosciences~~ Earth and Space Science

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Students seeking initial licensure in ~~Earth and Space Science~~ to teach in grades 9-12 (Standard High School License) must schedule an interview with the departmental licensure coordinator to formulate a specific plan of study.

↓

Students seeking licensure will also major in ~~geology and environmental geosciences~~ **Earth, Atmosphere and Environment** unless they already hold a baccalaureate or higher degree in that discipline.

↓

Undergraduate ~~geology~~ majors may apply for admission to educator licensure in Earth and Space Science at the end of their sophomore year, except in the case of transfer students who normally apply at the end of their first semester at NIU.

↓

Students who already possess a baccalaureate or higher degree and wish to pursue licensure without becoming a candidate for a degree should consult with the ~~geology~~ **departmental** licensure ~~adviser~~ **coordinator** as early as possible to plan a course of study.

Admission Requirements

Requirements listed in this section are minimum requirements. Meeting these requirements will not guarantee students admission to the ~~geology and environmental geosciences~~ **Earth and Space Science** educator licensure program or courses.

Students will be admitted to the licensure program when they have:

- Submitted an application in writing to the departmental licensure coordinator.
- Earned a minimum GPA of 2.50 in all work at NIU.
- Earned a minimum combined GPA of 2.70 in **all** NIU **science and mathematics** courses numbered 200 and above ~~in physical and biological sciences and mathematics.~~
- Completed a satisfactory interview with the coordinator in which the student demonstrates attitudes and motivations appropriate to the professional educator.
- **Completed at least EAE 120, EAE 121, and at least 8 other credits counting toward the Earth and Space Science emphasis.**
- ~~Obtained approval from the department's office of teacher licensure.~~
- ~~16 semester hours in geology and environmental geosciences courses numbered 300 and above.~~
- Completed the following with a grade of **C-** or better (higher numbered courses may be substituted, if approved by the coordinator and all of the following are

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

available for general education credit).

- COMS 100 - Fundamentals of Oral Communication Credits: 3
- ↓
- PSYC 102 - Introduction to Psychology Credits: 3

Retention Requirements

Requirements listed in this section are minimum requirements. Meeting these requirements will not guarantee students admission to the ~~geology and environmental geosciences~~ **Earth and Space Science** educator licensure program or courses.

Students admitted to the program must maintain the GPA requirements and complete a satisfactory review of progress each semester with the ~~department's office of teacher~~ licensure **coordinator**.

A grade of C- or better is ~~required~~ **required necessary** in all **required** course work listed ~~for~~ **in** the **Earth and Space Science Education degree and teacher licensure program**.

Completion Requirements

↓
Current requirements include the possession of an appropriate baccalaureate degree from an accredited institution, a minimum of 32 semester hours in the field, pre-student teaching clinical experiences at the ~~6-9~~ **9-12** grade level or proof of **comparable** teaching experience at the ~~6-9~~ **9-12** level, student teaching or an approved teaching experience, passage of the ~~Test of Academic Proficiency and secondary license subject matter~~ **Earth and Space Science** examinations of the Illinois Licensure Testing System, and demonstration that the candidate has met all **state and national** science teaching standards.

~~Contact the licensure coordinator for information on the necessary criteria that experiences must meet to demonstrate fulfillment of licensure requirements.~~

Outlined below is the state-approved required course work for licensure in Earth and Space Science Education. It is strongly recommended that students completing requirements for the teaching license in Earth and Space Science Education also obtain an additional endorsement in at least one science subject (e.g., biology, chemistry, environmental science, and/or physics).

Please note: The following classes for educator licensure may change to reflect new

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

state requirements. For extra-departmental requirements see “Educator Licensure Requirements” and the departmental licensure coordinator.

~~Earth and Space Science Educator Licensure~~

~~All requirements listed in Emphasis 3, Earth and Space Science Education and the following:~~

- ~~• GEOL 322 Paleogeography, Paleoclimatology, Paleocology Credits: 4~~
- ~~• GEOL 325 Solid Earth Composition Credits: 4~~
- ~~• GEOL 330 Global Cycles Credits: 4~~
- ~~• GEOL 335 Dynamics and Structure of the Earth Credits: 4~~
- ~~• GEOL 416X Methods in Teaching Physical Sciences Credits: 3~~
- ~~• GEOL 428 Student Teaching (Secondary) in Earth and Space Science Credits: 12~~
- ~~• GEOL 429 Inquiry-Based Field Experiences for Earth Science Teachers Credits: 3~~
- ~~• GEOL 482 Transition to the Professional Earth and Space Science Teacher Credits: 2~~
- ~~• LTIC 420 Methods and Materials for Teaching Multilingual Learners in the Content Areas Credits: 3~~

- EAE 401 - Third Clinical Experience in Earth and Space Science Credits: 2
- EAE 403 - The Nature of Scientific Inquiry Credits: 2
- EAE 414 - Interdisciplinary Teaching of Science in Secondary and Middle Level Education Credits: 3
EAE 414 is a writing infused course.
- EAE 416X - Methods in Teaching Physical Sciences Credits: 3
Must be taken concurrently with EAE 401.
- EAE 428 - Student Teaching (Secondary) in Earth and Space Science Credits: 12
- EPS 406 - Issues in Human Development and Learning in the Middle School and High School Years Credits: 3
- EPS 452 - Classroom Management for Adolescent Students Credits: 3
- ILAS 201 - Introductory Clinical Experience Credits: 1
- ILAS 301 - Second Clinical Experience Credits: 1
- LTIC 420 - Methods and Materials for Teaching Multilingual Learners in the Content Areas Credits: 3
- SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom Credits: 3

~~Except in unusual circumstances GEOL 401 and GEOL 416X must be taken in the~~

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

~~semester immediately prior to enrollment in GEOL 428 and students are admitted to GEOL 487 only upon successful completion of the course work required for graduation and licensure. In addition, students must pass the ILTS Subject Matter test before student teaching.~~

~~The State of Illinois has established course and standards based requirements for licensure. Approved licensure programs must have requirements that meet or exceed the state requirements. A list of the current state minimum requirements is available for the Illinois State Board of Education web page.~~

Rationale: Update licensure program requirements for transparency and clarification. Revise GEOL designator to EAE.

Impact Statement: The EPS 406, EPS 452, and SESE 457 classes have been part of the licensure program for over 10 years. These courses are already listed in the catalog for the other four science disciplines (see links). Listing EPS 406, EPS 452, and SESE 457 does not reflect a change; it is updating the out-of-date Earth and Space program catalog language that has been in effect for a long time.

- Chemistry: https://catalog.niu.edu/preview_program.php?catoid=54&poid=13742&returnto=2796
- Biology: https://catalog.niu.edu/preview_program.php?catoid=54&poid=13741&returnto=2796
- Physics: https://catalog.niu.edu/preview_program.php?catoid=54&poid=13748&returnto=2796
- Environmental Science: https://catalog.niu.edu/preview_program.php?catoid=54&poid=13610&returnto=2796

Other Catalog Change

CLAS22.23.09.07

2022-23 UG Catalog

[LINK](#)

Educator Licensure - Social Sciences: Geography

↓

Admission

Students are admitted to the History and Social Sciences Secondary Teacher Education Educator Licensure Program when they have:

- established a file with the History and Social Sciences Educator Licensure Program and completed satisfactory reviews of progress each semester after establishment of the file;
- attained junior standing and completed at least 12 semester hours at NIU with

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022**

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- a minimum GPA of 2.67;
- ~~• passed the Test of Academic Proficiency or equivalent recognized by the ISBE;~~
- completed at least 6 semester hours of geography **courses** at NIU and earned a minimum GPA of 3.00 in all geography courses taken at NIU;
- met all other Illinois State Board of Education (ISBE) requirements for admission to an educator licensure program; and
- obtained approval from the History and Social Sciences Educator Licensure Program.

Retention



Department Requirements

Students must complete the requirements for a degree in geography. In addition, they must complete **GEOG EAE 496X**, History and Social Science Instruction for Secondary Educators. Except in unusual circumstances, **GEOG EAE 496X** must be taken in the semester immediately prior to enrollment in student teaching and concurrently with the Third Clinical Secondary School Experience in History/Social Sciences.



Rationale: Update licensure program requirements for clarification and revise GEOG designator to EAE.

DEPARTMENT OF POLITICAL SCIENCE

New Course

CLAS22.23.09.08

2022-23 UG Catalog

[LINK](#)

CIP Code: 45.1001 Course Component: LEC

POLS 342 - Gender and Politics

This course deals with women in politics and offers a general survey of how women as a group have engaged in politics including: as outsiders through political participation, as insiders in government, and as the subject of policy action.

Credits: 3

Rationale: The year 2022 marks 102 years since the ratification of the 19th amendment, granting American Women the right to vote in national elections. At the same time, we are seeing a world-wide conversation about the role women play in politics. We will consider

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

the effects of gender on electoral behavior and political institutions, as well as the ways in which law, public policy, and politics shape gender relations. From citizens, activists and social movements, to candidates and political leaders, this course will investigate the causes and consequences of women's participation (or barriers to participation) in politics. Non-Duplication: The Department of History and Center for the Study of Women, Gender, and Sexuality were consulted with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course

CLAS22.23.09.09

2022-23 UG Catalog

[LINK](#)

CIP Code: 45.1001 Course Component: LEC

POLS 370 - Ethnicity, Religion, and Global Politics

Comparative analysis of interactions between ethnicity, religion, and politics across various nations to explore current global affairs and state policy-making in diverse cultural, social, and political environments.

Credits: 3

Rationale: Cultural institutions and identities—ethnicity and religion--have grown a pivotal force in politics and state policy-making globally. Until recently, however, political science largely neglected the questions pertinent to ethnicity and religion in their political analysis. Such neglect is no longer beneficial for our understanding of significant current affairs and new political phenomena home and abroad, such as Anti-Abortion movement and constitutional debate, gender and minority rights, Far Right movement and populist nationalism, and the Ukrainian war to name just a few prominent examples. Through comparative observations of ethnic and religious politics in diverse cultural, social, and national settings, this proposed course intends to help students not only to learn basic analytical and conceptual tools and competing perspectives to explore these timely topics, but also to gain a deeper knowledge about complex real world problems to engage in public policy debates. Non-Duplication: The Departments of ANTH and SOCI were consulted with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

DEPARTMENT OF SOCIOLOGY

Other Catalog Change

CLAS22.23.09.10

2022-23 UG Catalog

[LINK](#)

Sociology (B.A. or B.S.)



BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Emphasis 1. General Sociology

Requirements in Department (38)

- SOCI 170 - Introduction to Sociology Credits: 3
Available for general education credit.
SOCI 170 also fulfills the Human Diversity Requirement.
↓
- SOCI 377B - Sociological Inquiry II Credits: 4
- Additional courses in sociology (18), **at least 6 semester hours of which must be 300-level courses and** at least 6 semester hours of which must be 400-level courses.

GPA Requirement

↓

Emphasis 2. Criminology

↓

Requirements in Department (38)

↓

Group B: Two of the following, one of which must be a SOCI course (6)

- HIST 480 - Spies, Lies and Secret Wars: CIA in the World Credits: 3
↓
- SOCI 386 - Peace and Social Justice Credits: 3
- **SOCI 387 - Torture and Police Violence Credits: 3**
- SOCI 388 - Punishment and Corrections Credits: 3
- SOCI 390 - Internship in Sociology Credits: 3
With approval of department.
- SOCI 395 - Contemporary Topics in Sociology Credits: 3
With approval of department.

Group C: Two of the following (6)

- SOCI 480 - Communities and Crime Credits: 3
- **SOCI 484 - Rethinking Justice: Alternatives to the Traditional Court System Credits: 3**
SOCI 484 is a writing infused course.
- SOCI 485 - Law and Society Credits: 3
↓
- SOCI 490 - Independent Study in Sociology Credits: 1-3
(With approval of department.)
- SOCI 492 - Comparative Criminology Credits: 3
- SOCI 495 - Special Topics in Sociology or Criminology Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

B. Criminology

GPA Requirement



Total Hours for a Major in Sociology, Emphasis 2. Criminology: 41-54 (B.A.) or 51-54 (B.S.)

Rationale: The rationale for the first proposed change (to require at least six hours at the 300-level) is to build student understanding of the role of theory, methods, and the extant literature in the scientific investigation of social issues, which are developed more significantly in our 300-level courses compared to our 200-level courses. Our 400-level courses involve the application of theory and methods to a social topic, and thus the requirement of two 300-level courses will better prepare our students for the content of the two 400-level courses that they are required to take assuming the following a sequencing of 200-level, 300-level, 400-level. A student taking four 200-level courses is not as well-prepared for the 400-level courses in comparison to a student taking at least two 300-level courses. Thus, this change will help increase the chances of student success and mastery in the 400-level courses they are required to take. Emphasis 2 (“Criminology”) of our BA/BS program has a two 300-level course requirement, and thus the requirements for our two emphases will match with this proposed change to Emphasis 1, “General Sociology”. Additionally, other programs on campus have 300-level course requirements (such as ANTH, COMS, HIST, PSYCH) presumably for similar pedagogical reasons, and thus this is not a unique SOCI requirement. The remaining six hours of SOCI electives can be at the 200/300/400 level based on student choice/interest.

The rationale for the second proposed change is that the two courses (SOCI 387, “Torture and Police Violence”; SOCI 484, “Rethinking Justice: Alternatives to the Traditional Court System”) are criminology-based courses and thus should be included in the Criminology emphasis courses.

Remove the parenthesis around (With approval of department) under SOCI 490 in Group C for consistency through the program.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

UNFINISHED BUSINESS - ADDENDUM TO SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

COLLEGE OF EDUCATION

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Other Catalog Change

CEDU22.23.05.02

[2022-23 UG Catalog](#)

Elementary Education (B.S.Ed.)



Select one of the following areas of study:

Emphasis 1. General Elementary Education (15)

Students must complete 15 credit hours of elective coursework at the 100-400 level. Elective coursework may be used to fulfill course deficiencies for additional endorsement areas or to complete coursework for a minor. Please consult with an advisor.

Emphasis ~~1~~ 2. Bilingual/ESL (15)

The emphasis in Bilingual/ESL reflects the requirements of the Illinois State Board of Education and Teachers of English to Speakers of Other Languages (TESOL) standards. Successful completion of this emphasis as part of the elementary education major leads to the recommendation for the additional area of a Bilingual and/or ESL endorsement on a teaching license. The Bilingual endorsement requires the passing of a Target Language Proficiency Exam and LTIC 435.

- LTIC 400 - Introduction to Teaching Multilingual Learners Credits: 3 LTIC 400 fulfills the Human Diversity Requirement.
- LTIC 435 - Teaching Multilingual Learners in Bilingual Programs: Methods and Materials Credits: 3
- OR LTIC 455 - Teaching Multilingual Learners with Exceptionalities Credits: 3
- LTIC 445 - Applied Linguistics for Teachers of Multilingual Learners Credits: 3 LTIC 445 fulfills the Human Diversity Requirement.
- LTIC 447 - Assessment of Multilingual Learners Credits: 3
- LTLA 362 - Children's Literature in a Multicultural Society Credits: 3

Emphasis ~~2~~ 3. Early Childhood Education (18)

The emphasis in Early Childhood Education (ECE) reflects the requirements of the Illinois State Board of Education and the National Association of the Education of Young Children standards. Successful completion of this emphasis as part of the elementary education major leads to the recommendation for the

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

UNFINISHED BUSINESS - ADDENDUM TO SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

additional are of ECE endorsement on a teaching license. The ECE endorsement requires passing of the appropriate IPTS Content Test.

- HDFS 230 - Child Development Credits: 3
- OR EPS 304 - Development of the Elementary School Child Credits: 3
- HDFS 284 - Introduction to Family Relationships Credits: 3
- LTRE 309 - Emerging Literacy and Beginning Reading Instruction through Age 8 Credits: 3
- SEEC 300 - Observation and Assessment of Young Children Credits: 3
- SEEC 343 - Teaching Science and Mathematics to Children Ages 5-8 Credits: 3
- SEEC 430 - Preschool and Kindergarten Curriculum Credits: 3

Emphasis 3- 4. Early Childhood Education with Special Education Approval (18)

The emphasis in Early Childhood Special Education (ECSE) reflects the requirements of the Illinois State Board of Education, Council for Exceptional Children, and National Association of the Education of Young Children standards. Successful completion of this emphasis as part of the elementary education major leads to the recommendation for the additional are of ECSE endorsement on a teaching license. The ECSE endorsement requires passing of the appropriate IPTS Content Test.

- HDFS 230 - Child Development Credits: 3
- OR EPS 304 - Development of the Elementary School Child Credits: 3
- LTLA 305 - Language Development Credits: 3
- SEEC 343 - Teaching Science and Mathematics to Children Ages 5-8 Credits: 3
- SESE 423 - Observation and Assessment in Early Childhood Special Education Credits: 3
- SESE 424 - Methods and Strategies for Promoting Development and Teaching Infants, Toddlers, and Young Children with Disabilities and Special Needs Credits: 3
- SESE 426 - Working with and Supporting Families of Young Children with Disabilities and Special Needs Credits: 3

Emphasis 4- 5. Elementary Mathematics Education (14)

The emphasis in Elementary Mathematics Education reflects standards established by the National Council of Teachers of Mathematics (NCTM). Successful completion of this emphasis as part of the elementary education major does not lead to the recommendation for an additional licensure area.

- MATH 229 - Calculus I Credits: 4 Available for general education credit.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

UNFINISHED BUSINESS - ADDENDUM TO SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- MATH 302 - Introduction to Geometry Credits: 3 Available for general education credit.
- STAT 200 - Elementary Statistics Credits: 4 Available for general education credit.

One of the following (3)

- MATH 206 - Introductory Discrete Mathematics Credits: 3 Available for general education credit.
- MATH 210 - Finite Mathematics Credits: 3 Available for general education credit.
- MATH 303 - Introduction to Number Theory Credits: 3
- MATH 304 - History of Mathematics Through the 17th Century Credits: 3

Emphasis 5: 6. Reading Teacher (15)

The Reading Teacher emphasis reflects the requirements of the Illinois State Board of Education and International Literacy Association standards. Successful completion of this emphasis as part of the elementary education major leads to the recommendation for the additional area of Reading Teacher endorsement on a teaching license. The Reading Teacher endorsement requires the passing of the Reading Teacher Content Test (test code 177).

- LTLA 362 - Children's Literature in a Multicultural Society Credits: 3
- LTRE 320 - Organizing for Effective Diagnostic Assessment of Reading Instruction Credits: 3
- LTRE 330 - Practicum in Reading Diagnosis Credits: 3
- LTRE 331 - Practicum in Problems of Teaching Reading Credits: 3
- LTRE 401 - Practicum in Teaching Developmental Reading: Elementary Level Credits: 3

Emphasis 6: 7. Special Education (16)

The emphasis in Special Education reflects the requirements of the Illinois State Board of Education and the Council for Exceptional Children (CEC) standards. Successful completion of this emphasis as part of the elementary education major leads to the recommendation for the additional area of Learning Behavior Specialist I (LBS1) endorsement on a teaching license. Additional course work is required for this endorsement. The Special Education endorsement requires the passing of the Learning Behavior Specialist I Exam (test code 155).

- ETR 434 - Assessing Students with Special Needs Credits: 3
- SESE 415 - Instructional Methods for Elementary Students with Mild Disabilities: Reading, Language Arts Credits: 4 SESE 415 is a writing infused course.
- SESE 417 - Positive Behavior Support and Classroom Management for Special Educators Credits: 3

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

UNFINISHED BUSINESS - ADDENDUM TO SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

- SESE 446 - Methods for Supporting the Social/Emotional Development of Students with Emotional/Behavior Disorders Credits: 3
- SESE 460 - Instructional Methods for Individuals with Autism and Developmental Disabilities Credits: 3

Rationale: The General Elementary Pathway is still an approved program with the Illinois State Board of Education for students from Northern Illinois University. This program is still in APS under C and I on NIU data bases and was on hiatus status, not terminated. The candidates in this program, like other emphasis areas, earn the initial elementary 1-6 teaching licensure. This original elementary program allowed open electives or time to earn minors in study areas of interest for our students. The term emphasis was used to make the catalogue language parallel in hopes this would help students better understand their options.

The changing needs and environments of our schools due to COVID and social unrest in this country have altered the expectations of the role of teachers. It is no longer sufficient for teachers to limit their expertise and skills to instruction. There is a need for a variety of knowledge if teachers are to provide support for our struggling students. The examples of “encouraged” electives for possible minors evolved from student interest in counseling, social justice and an increase in elementary dual language teaching positions needing Southeastern Asian languages, and the growing equity emphasis in our regional elementary schools. Many students are interested in pursuing minors in areas including those listed as possibilities in the above catalog changes, but due to the rigid nature of the other pathways, adding a minor would, in most cases, prevent students from being able to graduate within even a 5-year window, despite taking full-time coursework. The flexibility of the general pathway would allow for students to fulfill course requirements for a minor while also earning their Elementary Education degree and licensure.

Additionally, the on-going teacher shortage in Illinois, the Elementary Education program is seeing an influx of transfer students who are interested in specifically pursuing Elementary Education, without a set, specific second endorsement area. Many of these students enter NIU with significant credit that does not apply to our existing pathways. The general Elementary Education pathway will provide more flexibility for students in this population, allowing them to progress toward Elementary Education licensure in a more streamlined fashion. The general elementary option will support the increasing number of transfer students’ who are interested in specifically pursuing Elementary Education, without a set, specific second endorsement area. The fifteen hours of electives is what finishes the required amount of credit hours for the degree program. Candidates may select minors that could require more than 15 hours however the identified number of hours would meet program hours for graduation.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 08, 2022

UNFINISHED BUSINESS - ADDENDUM TO SECTION A – For inclusion in the 2023-24 Undergraduate Catalog

Finally, many students are interested in working to fulfill coursework deficiencies for second endorsements in areas other than those already covered by the existing pathways. A general pathway would allow flexibility for these students to pursue a second endorsement area of their choice while also earning their Elementary Education degree and licensure.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

**COLLEGE OF ENGINEERING
BIOMEDICAL ENGINEERING**

Course Revision: **CEET22.23.05.01** 2023-24 Catalog [LINK](#)

BME 320. BIOMEDICAL ENGINEERING MEASUREMENTS (4). A lecture and laboratory course that covers fundamentals of biomedical measurement and patient safety. Measurements of physical quantities by means of electronic instruments, mechanical devices and biochemical processes. Analysis of measurement systems using mathematical models. Methods of measuring signals in the presence of noise. Use of computers in measurement systems. Laboratories introduce students to experimental methods and measurements in detail. Lecture, discussion three periods per week; laboratory session one period per week. PRQ: BME 201 and ELE 315.

Rationale: This revision in the course description for BME 320 reflects more information on laboratories as well as the course load distribution between the lecture and laboratory components.

Course Revision: **CEET22.23.05.02** 2023-24 Catalog [LINK](#)

BME 330. BIOMECHANICS (3 4). A lecture and laboratory course that covers the mechanics of deformable bodies with an emphasis on biological and physiological systems. Concepts of stress and strain, axial loading, torsion, bending, and deflection. Specific applications to mechanical properties of bone and cartilage, muscle forces and mechanics, and other biological solids. Introduction of experimental methods and computational modeling of biological tissues, with laboratories introducing students to experimental methods and measurements in detail. Lecture, discussion three periods per week; laboratory session one period per week. PRQ: BME 201, ~~MEE 210~~, and MEE 212.

Rationale: This course revision reflects an increase in the semester credit hours for BME 330 from 3 to 4 semester hours. This change has been made to provide students with the ability to conduct more formal, course-relevant laboratory experiments and measurements and, with the addition of the laboratory exercises, to provide the correct number of credit hours for the course load.

Course Revision: **CEET22.23.05.03** 2023-24 Catalog [LINK](#)

BME 336. BIOMATERIALS (3 4). A lecture and laboratory course that covers

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

**EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23
Undergraduate Catalog via the Expedited Curricular Process**

Properties of materials, protein/cell/tissue biology, metals/ceramics/ polymers and composites as biomaterials, material selection and structure-function relationship pertinent to biomedical applications, tissue-biomaterial interaction, FDA regulation, processing of biomaterials through conventional and additive manufacturing methods. Laboratories introduce students to experimental methods and measurements in detail. Lecture, discussion three periods per week; laboratory session one period per week. PRQ: BME 201, MEE 212, CHEM 210 and CHEM 212.

Rationale: This course revision reflects an increase in the semester credit hours for BME 336 from 3 to 4 semester hours. This change has been made to provide students with the ability to conduct more formal, course-relevant laboratory experiments and measurements and, with the addition of the laboratory exercises, to provide the correct number of credit hours for the course load.

COLLEGE OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

Course Revision **CLAS22.23.05.001** 2022-23 Undergraduate Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

MET 360 - Radar Meteorology



Prerequisites & Notes

CRQ: ~~GEOG 306 or~~ MET 300 or consent of department.

Credits: 3

Rationale: The content of MET 300 is better aligned with the material in MET 360. GEOG 306 does not adequately prepare students for MET 360. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 3, 2022.

DEPARTMENT OF MATHEMATICAL SCIENCES

Course Revision **CLAS22.23.05.002** 2022-23 Undergraduate Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

MATH 105 - College Algebra with Review



Prerequisites & Notes

PRQ: MATH 103; or Mathematics Placement Level D. CRQ: MATH 104.

Credits: 3

Rationale: One of the goals of MATH 103 is to prepare students for MATH 104/105 and thus MATH 103 should be added to the PRQs for MATH 105. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 3, 2022.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Course Revision

CLAS22.23.07.01

2022-23 UG Catalog

[LINK](#)

Current Course Component: IND

Proposed Course Component: IND (no change)

ILAS 440 - Independent Study

Independent research on a topic approved by faculty members in two or more departments within the college. May be repeated to a maximum of 6 semester hours. Students may register for multiple sections of ILAS 440 simultaneously with instructor approval.



Credits: 1-3

Rationale: One of our ILAS 440 instructors teaches a first half and a second half course each semester. As it stands now, her students can't enroll in both sections during the same semester even though they are different topics. This change will allow them to do so with permission and will not affect any other sections being taught. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

DEPARTMENT OF BIOLOGICAL SCIENCES

Course Revision

CLAS22.23.07.02

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

BIOS 324X - Women in Science

~~Crosslisted as EAE 324X and WGSS 324 and GEOG 324X. Why women are underrepresented in many scientific fields. The history of women in science, the current status of women in science, and the representation of women in various scientific disciplines.~~ Examination of the historical underrepresentation of women and other minoritized individuals in STEM fields. How gender and intersecting social categories have influenced the relationship between power and knowledge production in the context of the natural, physical, environmental, and medical sciences. How science has historically been used as a mechanism of oppression and a tool for advocacy.

Credits: 3

Rationale: Revisions to the parent course, WGSS 324. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022. Notification: The Department of Biological Sciences was notified of this change via email on October 31, 2022.

DEPARTMENT OF EARTH, ATMOSPHERE AND ENVIRONMENT

<u>Course Revision</u>	CLAS22.23.07.03	2022-23 UG Catalog	<u>LINK</u>
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Current Course Component: LEC	Proposed Course Component: LEC (no change)
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EAE 324X - Women in Science

~~Crosslisted as WGSS 324 and BIOS 324X. Why women are underrepresented in many scientific fields. The history of women in science, the current status of women in science, and the representation of women in various scientific disciplines.~~ Examination of the historical underrepresentation of women and other minoritized individuals in STEM fields. How gender and intersecting social categories have influenced the relationship between power and knowledge production in the context of the natural, physical, environmental, and medical sciences. How science has historically been used as a mechanism of oppression and a tool for advocacy.

Credits: 3

Rationale: Revisions to the parent course, WGSS 324. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

28, 2022. Notification: The Department of Earth, Atmosphere and Environment was notified of this change via email on October 31, 2022.

DEPARTMENT OF ENGLISH

Course Deletion **CLAS22.23.07.04** 2022-23 UG Catalog [LINK](#)

~~ENGL 434X – Language and Gender~~

Crosslisted as WGSS 434.

Rationale: Deletion of the parent course, WGSS 434. Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 24, 2022.

Course Revision **CLAS22.23.07.05** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENGL 451 - ESL Rhetoric and Composition I

Only for graduate students Weekly writing assignments. ~~Grade of C or better required to satisfy written English proficiency requirement.~~ Not available for graduate credit. **S/U grading.**

↓

Credits: 0

Rationale: A new policy has been passed regarding zero credit courses. It states that zero credit courses will automatically be set to use S/U grading and the use of S/U will need to be stated in the catalog course description. As Students are unable to earn grade points for zero credit hour courses, assigning a letter grade does not impact GPA. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.06** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENGL 452 - ESL Rhetoric and Composition II

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

**EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23
Undergraduate Catalog via the Expedited Curricular Process**

Only for graduate students Special support for grammar and mechanics. ~~Grade of C or better required to satisfy written English proficiency requirement.~~ Not available for graduate credit. **S/U grading.**

↓

Credits: 0

Rationale: A new policy has been passed regarding zero credit courses. It states that zero credit courses will automatically be set to use S/U grading and the use of S/U will need to be stated in the catalog course description. As Students are unable to earn grade points for zero credit hour courses, assigning a letter grade does not impact GPA. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision

CLAS22.23.07.07

2022-23 UG Catalog

LINK

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ENGL 453 - ESL Rhetoric and Composition

Only for graduate students Documented writing required in all sections. ~~Grade of C or better required to satisfy written English proficiency requirement.~~ Not available for graduate credit. **S/U grading.**

↓

Credits: 0

Rationale: A new policy has been passed regarding zero credit courses. It states that zero credit courses will automatically be set to use S/U grading and the use of S/U will need to be stated in the catalog course description. As Students are unable to earn grade points for zero credit hour courses, assigning a letter grade does not impact GPA. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

ENVIRONMENTAL STUDIES

Course Revision

CLAS22.23.07.08

2022-23 UG Catalog

LINK

Current Course Component: LEC

Proposed Course Component: LEC (no change)

ENVS 435X - Gender and the Environment

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Crosslisted as WGSS 435. ~~Topics and issues pertaining to gender and the environment such as the role of gender and other social factors in~~ How gender impacts perceptions, knowledge, and behaviors, and knowledge about regarding the environment today and in the past and present; ~~women's contributions to environmental arts and sciences~~ the relationship between gender and other intersecting social categories and environmental justice; the role of gender in environmental activism and policy in the U.S. and around the globe.

Credits: 3

Rationale: Revisions to the parent course, WGSS 435. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022. Notification: Environmental Studies was notified of this change via email on October 31 2022.

CENTER FOR NONPROFIT AND NGO STUDIES

Course Revision

CLAS22.23.07.09

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~NNGO 100 - Community Leadership and Civic Engagement~~ **Foundations of Nonprofit and NGO Studies for Social Changemakers**

~~Introduction to community leadership and civic engagement including avenues for making contributions to community and society. Emphasis placed on nonprofit organizations, public service, volunteering, activism, and philanthropy, locally and globally~~ the interdisciplinary field of nonprofit and non-governmental organization studies inside and outside the U.S. Explore the historical role of nonprofits and NGOs as caretakers and changemakers in civil society, their current roles in community building, political activism and economic development, ethical frameworks guiding action in the sector and the major responsibilities of nonprofit leaders including setting strategy, managing employees and volunteers, fundraising, and board governance.

Credits: 3

Rationale: NNGO 100 was created to introduce students to the field and for recruitment into the major, minor or certificate (formerly Community Leadership and Civic Engagement). We decided not to change the course title/content and kept the original

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

degree name when the program name changed in 2017, yet other program requirements and courses have changed. It is a general education course and is offered every semester. We would like to change the title and name to better reflect the course content and provide a better overall introduction to the NNGO studies. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.10** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

NNGO 301~~X~~ - Philanthropy and Fundraising

~~Crosslisted as PSPA 301.~~ Examination of the role techniques, ethics, and policies.

Credits: 3

Rationale: PSPA has not offered this as a stand-alone course for several years and has requested that NNGO take it over. It is a required course for NNGO majors and an elective for minors. NNGO offers this course once every year to meet student needs, which they plan to continue. PSPA 301 is being deleted, so the "X" should be removed from NNGO 301X. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.11** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

NNGO 493 - Nonprofits and Community Engagement

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Prerequisites & Notes

PRQ: NNGO majors only; at least junior standing; NNGO 100 or **NNGO 301** ~~PSPA 301~~; must earn a grade of C or better in NNGO 302; or consent of center.

Credits: 3

Rationale: Revision to the number for NNGO 301X and deletion of PSPA 301. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

DEPARTMENT OF PUBLIC ADMINISTRATION

Course Deletion **CLAS22.23.07.12** 2022-23 UG Catalog [LINK](#)

~~PSPA 301~~—Philanthropy and Fundraising

Rationale: PSPA wishes to remove 301 from their curriculum which is crosslisted as NNGO 301x. Going forward, only NNGO 301 would only appear in the catalog. SPA has not offered this as a stand-alone course for several years. It is a required course for NNGO majors and an elective for minors. NNGO offers this course once every year to meet student needs, which they plan to continue. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

DEPARTMENT OF PSYCHOLOGY

Course Revision **CLAS22.23.07.13** 2022-23 UG Catalog [LINK](#)

Current Course Component: RSC Proposed Course Component: RSC (no change)

PSYC 305 - Research Methods

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Prerequisites & Notes

PRQ: At least sophomore standing, ~~PSYC 101~~ and PSYC 102. CRQ: **PSYC 101 and STAT 100**, or STAT 200, or STAT 300, or UBUS 223, or consent of department.

Credits: 3

Rationale: We would like to change PSYC 101 from a PRQ to a CRQ because a) we have seen early enrollment into PSYC 101 by native students, and b) the PSYC 101 as a PRQ might negatively impact transfer students. PSYC 101 is designed to help students become acquainted with the discipline, explore career and graduate school options, select curricular and extracurricular activities suited to their goals, and build personal and professional skills for a future in psychology. Although we think PSYC 101 will be most beneficial to students if they take it early in their time at NIU (which prompted us to identify it as a PRQ for PSYC 305 rather than a CRQ), the knowledge and skills acquired in PSYC 101 should not negatively impact performance in PSYC 305. Moreover, students seem very eager to take PSYC 101 early on, which is facilitated by advisors. In other words, this concern is not warranted. Additional, PSYC 101 as a PRQ may negatively impact transfer students who enter NIU with junior standing because it requires that they

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

take PSYC 101 prior to PSYC 305. It may be helpful for these students to take PSYC 101 and PSYC 305 at the same time in order to stay on track for graduation. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

CENTER FOR THE STUDY OF WOMEN, GENDER, AND SEXUALITY

<u>Course Deletion</u>	CLAS22.23.07.14	2022-23 UG Catalog	<u>LINK</u>
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~~WGSS 332 – Growing Up Girl~~

Rationale: This course has not been taught in many years and does not reflect current faculty teaching areas. Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

<u>Course Deletion</u>	2022-23 UG Catalog	<u>LINK</u>
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~~WGSS 424 – Topics in Gender and STEM~~

Rationale: WGSS 324 has been revised to include gender and STEM, so this course is redundant and should be deleted. Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

<u>Course Deletion</u>	CLAS22.23.07.15	2022-23 UG Catalog	<u>LINK</u>
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~~WGSS 434 – Language and Gender~~

Crosslisted as ENGL 434X.

Rationale: This course has not been taught regularly and does not reflect current faculty teaching areas. Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

<u>Course Revision</u>	CLAS22.23.07.16	2022-23 UG Catalog	<u>LINK</u>
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Current Course Component: LEC	Proposed Course Component: LEC (no change)
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WGSS 101 - Introduction to Women, Gender and Sexuality Studies

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Introduction to the study of women, gender, and sexuality in the contemporary U.S., with an emphasis on ~~diversity~~ **intersectionality**, feminisms, LGBTQ+ communities, and social ~~change~~ **justice**.

Credits: 3

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.17** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

WGSS 201 - Global Gender ~~Issues~~ **Justice**

Introduction to ~~how~~ **the influence of** gender, power and sexual ~~orientation~~ **identity influence** on access to resources ~~globally~~, **transnational social movements**, and ~~as well as~~ **gendered experiences and livelihood strategies in different societies around the world** **a global context**.

Credits: 3

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.18** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

WGSS 202 - ~~Women and Cultural Expression~~ **Gender, Culture, and Representation**

~~Explores women and their roles as producers of and subjects in various cultural expressions in the U.S. and other societies.~~ **How identity influences gendered cultural content in local and global communities.** Culture includes visual and performing arts, literature, film **and video**, **digital media**, and other expressions throughout history.

Credits: 3

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Revisions also reflect the ways that multiple instructors approach this course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.19** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

WGSS 300 - Research Methods in Women, Gender, and Sexuality Studies

~~Overview of research methodologies used in feminist and queer research and artistry. Includes hands-on training in data collection and analysis techniques. Required for WGSS majors. Open to WGST and LGBTQ+ Studies minors.~~ How scholars and students in feminist, queer, and trans studies approach, analyze, and create knowledge. This includes a history of knowledge production, ethical considerations in intersectional research, and hands-on practice of different research methods, such as interviewing, survey design, and discourse analysis.

Prerequisites & Notes

PRQ: WGSS 101, ~~AND WGST minor or LGBTQ+ Studies minor with consent of the director or program adviser for the Center for the Study of Women, Gender, and Sexuality~~ or WGSS 201 or WGSS 202.

Credits: 4

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Expansion of PRQ allows certificate students, majors, and minors to take the course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.20** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

WGSS 324 - ~~Women in Science~~ Gender and STEM

Crosslisted as ~~GEOG 324X and BIOS 324X~~ and EAE 324X. Why women are underrepresented in many scientific fields. The history of women in science, the current status of women in science, and the representation of women in various

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

~~scientific disciplines.~~ Examination of the historical underrepresentation of women and other minoritized individuals in STEM fields. How gender and intersecting social categories have influenced the relationship between power and knowledge production in the context of the natural, physical, environmental, and medical sciences. How science has historically been used as a mechanism of oppression and a tool for advocacy.

Credits: 3

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision
LINK

CLAS22.23.07.21

2022-23 UG Catalog

Current Course Component: LEC

Proposed Course Component: LEC (no change)

WGSS 350 - ~~Lesbian, Gay, Bisexual, and Transgender~~ Introduction to LGBTQ+ Studies

Survey of issues and theories in lesbian, gay, bisexual, ~~and~~ transgender, and queer+ studies. Interdisciplinary study of and class.

Prerequisites & Notes
WGSS 101.

Credits: 3

Rationale: Language change reflects current usage in the curriculum (LGBTQ Studies) and in the field. PRQ is necessary, because students need basic preparation in WGSS in order to engage productively in a course that centers LGBTQ content and communities. WGSS 101 is now being taught regularly enough that having it as a PRQ would not limit enrollment in this course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision

CLAS22.23.07.22

2022-23 UG Catalog

LINK

Current Course Component: LEC

Proposed Course Component: LEC (no change)

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

**EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23
Undergraduate Catalog via the Expedited Curricular Process**

WGSS 435 - Gender and the Environment

~~Crosslisted as ENVS 435X. Topics and issues pertaining to gender and the environment such as the role of gender and other social factors in~~ **How gender impacts perceptions, knowledge, and behaviors, and knowledge about regarding the environment today and in the past and present; women's contributions to environmental arts and sciences the relationship between gender and other intersecting social categories and environmental justice; the role of gender in environmental activism and policy in the U.S. and around the globe.**

Credits: 3

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.23** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

WGSS 450 - Transgender Studies

~~Examines the T in LGBT Studies from an interdisciplinary framework, addressing multiple issues including trans identities, bodies, and rights.~~ **Interdisciplinary and intersectional exploration of gender (trans)gression in the past and present; examination of laws, policies, and sociocultural contexts that mediate the experiences of transgender people and communities.**

Prerequisites & Notes:

WGSS 101, and either WGSS 350 or WGSS 432; or consent of director.

Credits: 3

Rationale: Revisions bring catalog language into alignment with current pedagogy, content, and terminology. Course content requires familiarity with basic concepts and ethical stances of the field, as introduced in WGSS 101 and 350 and as further developed in WGSS 432. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

Course Revision **CLAS22.23.07.24** 2022-23 UG Catalog [LINK](#)

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Current Course Component: LEC

Proposed Course Component: LEC (no change)

WGSS 499 - WGSS Capstone

Synthesis, integration, and Sexuality Studies. Framework for applied capstone project and completion of WGSS ePortfolio (required for WGSS majors). Open to WGSS and LGBTQ+ Studies minors.

Prerequisites & Notes

PRQ: WGSS 101, and senior standing, and WGSS major, WGSS minor, or LGBTQ+ Studies minor; with or consent of the director or program director or advisor advisor for in the Center for the Study of Women, Gender, and Sexuality.

Credits: 3

Rationale: Elimination of the eportfolio requirement for the major. Update PRQ for clarification. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 28, 2022.

DEPARTMENT OF BIOLOGICAL SCIENCES

Course Revision **CLAS22.23.08.01** 2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

BIOS 431X - Research Laboratory in Neuropsychology

Crosslisted as PSYC 431. Understanding the Lecture and laboratory.

Prerequisites & Notes

PRQ: At least junior standing, a grade of C or better in a statistics course (STAT 100, STAT 200, STAT 300, or UBUS 223), PSYC 306, and PSYC 300; or consent of department.

Credits: 4

Rationale: Revisions to the parent course, PSYC 431. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022. Notification: The Department of Biological Sciences was notified of this change via

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

**EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23
Undergraduate Catalog via the Expedited Curricular Process**

email on October 31, 2022.

DEPARTMENT OF ENGLISH

Course Revision **CLAS22.23.08.02** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENGL 383 - ~~Gay and Lesbian~~ **LGBTQ+** Literature

Historical survey of ~~lesbian and gay~~ **LGBTQ+** fiction, drama, poetry, and prose by American and British writers such as Shakespeare, Behn, Whitman, Hall, Forster, Ortiz-Taylor, Kushner, Leavitt, and Winterson. **May also focus on LGBTQ+ authors writing in a particular genre.**

Credits: 3

Rationale: Updating and expanding the identities covered in this course with more current language, from gay and lesbian to LGBTQ+. Depending on the instructor, this course will sometimes focus on a particular genre. Thus we include a note of this possibility.

Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

ENVIRONMENTAL STUDIES

Course Revision **CLAS22.23.08.03** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENVS 301 - Environmental Science ~~I: Physical Systems~~

~~Physical scientific foundations to facilitate understanding~~ **Examination** of current environmental issues **associated with natural resources, energy (fossil fuels and nuclear power), climate change, water quality and resources, and the Earth system with an emphasis on regional geology and geography. Spatially, material includes local, regional, and global scale processes. Temporally, provides context for current environmental changes by supplying an understanding of the Earth's environment in geologic time. Topics covered are primarily those that relate to environmental processes that have been most subject to human manipulation over the past millennia. Impact of economic, political, and scientific decisions on our environment**

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

**EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23
Undergraduate Catalog via the Expedited Curricular Process**

associated with anthropogenic changes. Includes at least ~~two~~ **one** Saturday field trips.

Credits: 3

Rationale: The new course title and description better fit what is currently being taught in the course. It also an introduction for the other courses so more current issues and links with economic, politic and ecology are included. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.08.04** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENVS 302 - ~~Environmental Science II: Biological Systems~~ **Sustainable Ecosystems**

Introduction to ~~the biological component of environmental science~~ **sustainable ecosystems**, focusing on understanding the functioning of ecosystems, the patterns of biological diversity, the processes that influence those patterns over space and time, and how human activities can disrupt those processes **environmental problems and problem solving, sustainability, biodiversity, causes and consequences of biodiversity loss, ecosystem structure and functioning, how to read and interpret environmental data, and climate change impacts to ecosystems.** ~~At least two Saturday field trips are required.~~

Prerequisites & Notes

PRQ or CRQ: ENVS 301 or consent of department.

Credits: 3

Rationale: Add CRQ/PRQ of ENVS 301 or consent of department. Update name and description to better fit what is currently being taught in the course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.08.05** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

ENVS 303 - ~~Environment in the~~ **Nature in Society: Environmental** Social Sciences

**BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022**

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

and Humanities



Prerequisites & Notes

PRQ or CRQ: ENVS 301 or consent of department.

Credits: 3

Rationale: Add CRQ/PRQ of ENVS 301 or consent of department. Update name and description to better fit what is currently being taught in the course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.06

2022-23 UG Catalog

[LINK](#)

Current Course Component: LEC

Proposed Course Component: LEC (no change)

~~ENVS 304 - Environmental Law, Policy, and Economics~~

The Politics of Environmental Solutions

Sustainability Governance:



Prerequisites & Notes

PRQ or CRQ: ENVS 301 or consent of department.

Credits: 3

Rationale: Add CRQ/PRQ of ENVS 301 or consent of department. Update name and description to better fit what is currently being taught in the course. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision

CLAS22.23.08.07

2022-23 UG Catalog

[LINK](#)

Current Course Component: PRA

Proposed Course Component: PRA (no change)

~~ENVS 410 - Fire Certification~~



~~**Prerequisites & Notes**~~

~~CRQ: ENVS 302 or BIOS 406~~

Credits: 1

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Rationale: Remove CRQ since course has been taught with students finding success without having those other courses. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

DEPARTMENT OF POLITICAL SCIENCE

Course Revision **CLAS22.23.08.09** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

POLS 419 - Mock Trial

Collegiate mock trial May be repeated to a maximum of **9** semester hours.

Credits: 3

Rationale: The Mock Trial class participates in mock trial competitions that are based on the extensive case materials provided by the American Mock Trial (AMTA) Association every year. These are the primary course materials student use to develop and advance their legal and trial advocacy skills. Each year AMTA creates a brand new fictional case based on entirely new facts and law. The case alternates between criminal and civil cases, and the legal and evidentiary issues vary substantially each year. Increasingly we are enrolling underclassmen who want to compete more than two years. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

DEPARTMENT OF BIOLOGICAL SCIENCES

Course Deletion **CLAS22.23.09.01** 2022-23 UG Catalog [LINK](#)

Current Course Component: LEC Proposed Course Component: LEC (no change)

~~BIOS 430 – Plant Systematics~~

Rationale: This is a very specific topic in plant science in our department. There is no plant science faculty to teach this course anymore (all plant faculty retired). Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

DEPARTMENT OF BIOLOGICAL SCIENCES

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

Course Deletion **CLAS22.23.09.02** 2022-23 UG Catalog [LINK](#)

~~BIOS 442 – Evolution and the Creationist Challenge~~

Rationale: There is no faculty to teach this course (a retired faculty has taught this course for a few years, but it is not an option now). Approval: The deletion and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

Course Revision **CLAS22.23.09.03** 2022-23 UG Catalog [LINK](#)

BIOS 316 - General Ecology

~~Structure and dynamics of biotic populations, communities, and ecosystems~~ **Study of how organisms interact with each other and their environment.** Three hours of lecture ~~and three hours of laboratory~~ per week.

Prerequisites & Notes

PRQ: ~~BIOS 208~~, BIOS 209, ~~BIOS 210~~, and BIOS 211.

Credits: ~~4~~ **3**

Rationale: The revised course description is meant to be more accessible to students. The PRQs can be revised to reduce redundancy because BIOS 208 and 210 (or BIOS 103 and 105, but bio majors have to take BIOS 208 and 210) are PRQs for BIOS 209 and 211. The schedule change will avoid conflicts between this course and those with similar topics, such as Conservation Biology and Restoration Ecology. Finally, Biology students are currently required to take 6 courses with required lab elements as part of their core curriculum (BIOS 210, BIOS 211, BIOS 308, CHEM 212, CHEM 213, PHYS 210, PHYS 211 (we are in the process of removing PHYS211)). Many of our upper-level courses in BIOS also have a required lab element. To allow students more flexibility in scheduling, such that they can take BIOS 300 level courses as prep for upper level (BIOS 400 level courses) I propose removing the lab from this course. Many of our other BIOS 300 course offerings also do NOT contain a lab element, including BIOS 302, 303, 317, 341x, 355. Conservation Biology (BIOS 406), Restoration Ecology (BIOS 407), and Birds and Mammals (BIOS 457) have experiential (lab or field) type experiences for those interested in Ecology topics. Approval: The revision and checklist items have been reviewed and approved by the CLAS Curricular Dean on October 31, 2022.

BACCALAUREATE COUNCIL
5th Meeting/2022-23 Academic Year
December 8, 2022
ADDENDUM

EXPEDITED/CONSENT – Recorded for inclusion in the 2022-23 Undergraduate Catalog via the Expedited Curricular Process

INTER-COLLEGE AND UNIVERSITY-WIDE INTERDISCIPLINARY

Course Revision

20223-23 UG Catalog

[LINK](#)

UNIV 301 - Leadership and Career Accelerator

A foundational, interdisciplinary course that prepares **undergraduate** students for the increasingly competitive, globalized job marketplace by introducing students to professional networks, cultivates teamwork skills, strengthens professional communication skills across modalities, and develops leadership skills through project management of a cohort capstone. An additional focus is on individual development through authentic narrative building. This allows students to create professional, yet meaningful, resumes, interview answers, reciprocal networking connections, and a roadmap for success beyond the classroom. **Pre-requisite: Sophomore standing or consent of department (undergraduate students only)**

Rationale: This course was designed by our new partner, Braven, and was developed with the intention for second year students specifically. Additionally, we've come across graduate students who have enrolled and is only open to undergraduate students at this time and hope by these two updates, it will help bring a larger awareness to our sophomore population and undergraduate students and avoiding graduate students from enrolling. We are open to allowing other student standings into the course but is helpful to track how many we have allowed who are not sophomores for Braven's records and our own.