



*Environmental Studies
Lunch & Learn*

OCTOBER 22, 2021

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Why study the environment?

- Job outlook 2020-2030: Environmental Science = +8%, Conservation = +7%, Wildlife biology = +5%, Environmental Science/Protection Technician = +11% (US BLS Occ Outlook)
- Understand how resources are used, the best way in which to conserve resources, maximize sustainability, maximize health and wellbeing of humans and the planet

Possible jobs with an ENV degree!

- Environmental monitoring technician
- Sustainability coordinator
- Corporate social responsibility officer
- Energy auditor
- Park interpreter
- Remediation specialist
- Environmental consultant
- Public relations specialist for environmental organization
- Environmental attorney*
- Environmental engineer*
- Fundraiser for environmental causes
- Environmental policy analyst

Benefits of taking ENV at MU

Holistic approach focused on ecological AND societal impacts on and by the environment

- Humanities and science serve as dual lenses for studying the environment
- Truly interdisciplinary with team-taught sequence

The environment is a critical concern of the Sisters of Mercy

Expertise is already here! (Courses that already exist fulfill requirements)

Potential for students on ENV Sci track to be ESA Certified Ecologists in Training or Associate Ecologists upon graduation

Faculty



Dr. Cosima Wiese



Dr. Brian Carso



Dr. Melanie Shepherd



Dr. Linda Auker



Dr. Allan Austin



Dr. Michael Orleski



Dr. Joseph Curran

The ENV Major

Specialization Tracks:

Environmental Science

Pre-DPT

Pre-Law



Required Courses

- BIO 106: Introduction to Environmental Science
- CHM 101 (standard/prelaw) OR CHM 133 (env sci) OR CHM 104 (pre-DPT)
- **ENV 100: Environment and Society***
- ENV 200: Issues in Sustainability
- ENV 300: Environmental Research Design
- ENV 400: Senior Capstone

- HIS 235: Introduction to US Environmental History
- **MTH 115: Basic Statistics***
- **PHL 202: Environmental Philosophy***
- **PHY 142: Earth Science***

For those in Env Sci track:

- **BIO 111: Ecology, Evolution, and Genetics***
- BIO 310: Environmental Biology
- BIO 425: Ecology
- **CHM 134: Chem Principles II***

Electives

- ENV Studies Tracks EXCEPT Env Sci
 - 1 from A
 - 1 from B
 - 1 from A or C
 - 1 from B or D
- ENV Sci track
 - 1 from A
 - 1 from A or C
 - 2 from any group

Electives

- Group A

- ENV 312: Environmental Aesthetics
- ENV 484: Special Topics Humanities

- Group B

- ENV 313: Water
- ENV 485: Special Topics Sciences

Humanities electives in other departments (Group C)

- ENG 339: Technical Writing
- ENG 348: Science Writing
- FA 362: Music, Ecology & the Environment
- GEO 202: Cultural World Geography
- HIS 309: The American West
- MHH 314: Environmental Health
- **PHL 270: Social and Political Philosophy***
- **RLS 119: Mercy and Justice***

Science electives in other departments (Group D)

- BIO 310: Environmental Biology (only for non-Env Sci tracks)
- BIO 425: Ecology (only for non-Env Sci tracks)
- BIO 313: Marine Biology
- **BIO 315: Invasive Species (offered as BIO 485 in the spring)***
- **BIO 343: Microbiology***
- BIO 431: Field Biology
- CHM 243: Organic Chemistry I
- **CHM 244: Organic Chemistry II***
- CHM 343: Introduction to Physical Chemistry
- PHY 121: Energy in Our World
- ENV 410: Independent Research

New ENV electives!

ENV 316: Perspectives on the Anthropocene (Prereqs: ENV 100 and PHL 202 or HIS 235)

HIS 3XX: Global Environmental History

ENV 311: Climate Change (Prereqs: ENV 100)

BIO 315: Invasive Species (BIO 202 OR ENV 200)

A Pathway to Graduation with a BA in ENV

1st Year

Fall

- ENV 100
- Math Bank A
- University Writing Seminar
- PHL 100

Spring

- BIO 106
- MTH 115
- PHL 202
- 2 Core Courses

2nd Year

Fall

- ENV 200
- CHM 101 or CHM 133
- 3 Core Courses

Spring

- PHY 142
- HIS 235
- ENV elective
- 2 Core Courses
- ENV Sci track: CHM 134

3rd Year

Fall

- ENV 300
- ENV elective
- Free elective or BIO 310 (ENV Sci track)
- 2 Core Courses

Spring

- 2 ENV electives (ENV Sci: BIO 425)
- Free elective
- 2 Core Courses

4th Year

Fall

- ENV 400
- ENV Elective
- 3 Free electives

Spring

- ENV 410
- ENV Elective
- 3 Free Electives

Is there a minor?

YES!

Requirements:

ENV 100

ENV 200

BIO 106 OR PHY 142

PHL 202 OR HIS 235

2 ENV electives

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