

**2022-2023 ADVISING INFORMATION SHEET
DEPARTMENT OF ENVIRONMENTAL STUDIES**

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

REQUIRED COMMON CORE COURSES: 12 credit hours

ENS 551 Environmental Natural Sciences (4 Hrs)

ENS 552 Environmental Social Sciences and the Humanities (4 Hrs)

ENS 553 Research Methods in Environmental Studies (4 Hrs)

ENVIRONMENTAL PLANNING AND MANAGEMENT CONCENTRATION

Required Concentration Core: 12 credit hours

ENS 404 Fundamentals of Geographic Information Systems **or**

ENS 503 Advanced GIS Applications (4 Hrs)

ENS 403 Transportation: Problems and Planning Procedures **or**

ENS 501 Land Use and Environmental Planning (4 Hrs)

ENS 587 Natural Resources Policy and Administration (4 Hrs)

Concentration Electives: 12 credit hours

Electives should be selected in consultation with academic advisor before enrollment.

Required Closure Course:* 4 credit hours

ENS 510 Thesis (4 Hrs) **or** ENS 520 Graduate Project (4 Hrs) **or** ENS 550 Capstone

SUSTAINABLE DEVELOPMENT AND POLICY CONCENTRATION

Required Concentration Core: 12 credit hours

ENS 571 Sustainable Development (4 Hrs)

ENS 581 Environmental Policy and Analysis (4 Hrs)

ENS 587 Natural Resources Policy and Administration (4 Hrs)

Concentration Electives: 12 credit hours

Electives should be selected in consultation with academic advisor before enrollment.

Required Closure Course:* 4 credit hours

ENS 510 Thesis (4 Hrs) **or** ENS 520 Graduate Project (4 Hrs) **or** ENS 550 Capstone

GENERAL ENVIRONMENTAL SCIENCES CONCENTRATION

Concentration Electives: 24 credit hours

Electives should be selected in consultation with academic advisor before enrollment.

Required Closure Course:* 4 credits

ENS 510 Thesis: (4 Hrs) **or** ENS 520 Graduate Project (4 Hrs)

*** Note on Closure Options:** Students in the GES concentration must complete a thesis or graduate project. You will need to develop a thesis/project proposal, form a committee, and defend your proposal before beginning data collection or work on your project/thesis. After you have completed your draft thesis/project write-up, you will need to schedule and pass a thesis/project defense in order to graduate. Contact your faculty research supervisor to discuss this process. Students in the SDP and EPM can complete a thesis/project or they have the option to take ENS 550 and complete a 240-hour professional capstone internship. Capstone proposals (which describe the internship site, duties, and learning goals) are due the semester before you plan to enroll in ENS 550. Students can use a GPSI position or their current job (provided that projects can be identified that relate to the degree) for the capstone internship. Contact the capstone instructor for details about this process and/or to discuss your internship options.

Additional Notes: MS Environmental Planning & Management and Sustainable Development & Policy students cannot count both ENS 530 Internship and ENS 550 Capstone Course toward degree requirements. Students cannot count ENS 425 Ecological Issues toward degree requirements.

GRADUATE CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

REQUIRED COURSES: 12 credit hours

ENS 404 Fundamentals of Geographic Information Systems (4 Hrs.)

ENS 405 Fundamentals of Remote Sensing (4 Hrs.)

ENS 503 Advanced GIS Applications (4 Hrs.)

Students who enter the program having already taken ENS 404 or ENS 405 (or their equivalents) may petition to use ENS 403 Transportation: Problems and Planning Procedures or ENS 501 Land Use and Environmental Planning toward the certificate. Courses may be taken online or on-campus.

**2020-2021 ADVISING INFORMATION SHEET
DEPARTMENT OF ENVIRONMENTAL STUDIES**

BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES

To earn a Bachelor of Arts in Environmental Studies, students must complete a minimum of four core courses (12 credit hours) and seven elective courses (22 credit hours) with a minimum of two courses from each thematic area. Of the elective courses, a minimum of four must be at the 400 level; two of the remaining electives must be either 300 or 400 level. In addition, students must complete all general education requirements in the UIS undergraduate curriculum. Up to 9 semester hours of lower-division courses may be transferred from an accredited institution; the decision to accept transferred hours will be made on an individual basis by the department.

Students are expected to meet with an ENS advisor before beginning the major to prepare a course plan to ensure that all requirements will be met. ENS 251 and ENS 271 should be taken as early as possible because these courses establish a foundation on which subsequent courses will build. ENS 451 must be taken in a student's last year, and can only be taken after successful completion of ENS 251, ENS 271, and at least five electives. To earn the BA degree, students must have at least a C in the four required courses and a C average (2.0 GPA) in the elective courses.

REQUIRED CORE COURSES

ENS 251 Introduction to Environmental Sciences	3 Hrs.	ENS 451 Undergraduate Capstone	3 Hrs.
ENS 271 Introduction to Sustainability	3 Hrs.	ENS 476 Environmental Ethics	3 Hrs.

List of Thematic Areas and Appropriate Electives:

Environmental Policy/Law/Planning

ENS 301 Environmental Justice in America	3 Hrs.	ENS 419 Environmental Law	4 Hrs.
ENS 304 Mapping our Physical and Social World	3 Hrs.	ENS 446 Population and Public Policy	3 Hrs.
ENS 381 Foundations of Environmental Policy	3 Hrs.	ENS 449 Agricultural Politics & Policy	3 Hrs.
ENS 401 ECCE: Env. Justice: Science, Policy, & Activism	3 Hrs.	ENS 455 Intro to Environmental Consulting	3 Hrs.
ENS 403 Transportation: Problems & Planning Procedures	3 Hrs.	ENS 483 Environmental Policies: NEPA	4 Hrs.
ENS 404 Fundamentals of Geographic Information Systems	4 Hrs.	ENS 485 Environmental Policies: Water Quality	4 Hrs.

Environmental Social Sciences/Humanities

ENS 101 Women and the Environment	3 Hrs.	ENS 422/SOA 422 Environmental Sociology	4 Hrs.
ENS 201 Literature and the Environment	3 Hrs.	ENS 448 Sustainable Food Systems	3 Hrs.
ENS 311 ECCE: Global Change in Local Places	3 Hrs.	ENS 461 Geopolitics: Geogr. Aspects of Internat Affairs	3 Hrs.
ENS 332/GBL 331 Cultural Geography	3 Hrs.	ENS 475 Political Ecology AKA Trees, Trash, Turtles	3 Hrs.
ENS 411 ECCE: Introduction to Environmental Education	4 Hrs.	ENS 479 Writing and the Environment	3 Hrs.
ENS 418/HIS 438 ECCE: American Environmental History	4 Hrs.	ENS 481 Forest Policy & Management	3 Hrs.
ENS 421 Environmental Economics	4 Hrs.	ENS 488 China's Environment and the World	3 Hrs.

Environmental Sciences

ENS 151 Earth Science	3 Hrs.	ENS 445/BIO 445 Biology of Water Pollution	4 Hrs.
ENS 262 Environmental Physical Geography	3 Hrs.	ENS 447/CHE 431 Environmental Chemistry	4 Hrs.
CHE 361 ECCE: Global Greening for a Sustainable Future	4 Hrs.	ENS 463 Our Changing Climate	3 Hrs.
CHE 363 ECCE: Energy and the Environment	3 Hrs.	ENS 464 Paleocology	4 Hrs.
BIO 371 Principles of Ecology	4 Hrs.	ENS 465 Water Resources and Society	4 Hrs.
ENS 405 Fundamentals in Remote Sensing	4 Hrs.	ENS 468 Environmental Geology	4 Hrs.
ENS 425 Ecological Issues	3 Hrs.	ENS 472 Urban Environments	3 Hrs.
ENS 444/BIO 444 Aquatic Ecology	4 Hrs.	ENS 477 Renewable Energy	3 Hrs.

MINOR IN ENVIRONMENTAL STUDIES

To earn a minor in Environmental Studies, students must complete a minimum of 16 credit hours, which includes two core courses (ENS 251 Introduction to Environmental Sciences and ENS 271 Introduction to Sustainability) and a minimum of three elective courses. At least one elective must be at the 400-level. No more than two electives may be taken from any one of the categories listed above. The Department of Environmental Studies may approve up to 7 semester hours of lower- and upper-division transfer

credits toward the undergraduate minor in Environmental Studies. Students are expected to meet with an ENS advisor before beginning the minor.