

Foundations

Foundational training in the Environmental Sciences. Offered every Fall semester. All students are required to take **one** Foundation course.

ENVIRONMENT & SOCIETY

Coupled Human & Natural Systems
(3 credits)

EARTH & OCEAN SYSTEMS

Interconnected Earth Systems
(3 credits)

ECOLOGICAL SYSTEMS

Ecological Systems
(3 credits)

ENVIRONMENTAL MOLECULAR SCIENCE & TECHNOLOGY

Cell & Molecular Biology For The Environmental Scientist
(3 credits)

Example for a Ph.D. or M.Sc. Student:

One Foundation course
(3-4 credits)

Applied Environmental Science (2 credits)

Professional Development Class 2
(1-3 credits)

Professional Development Class 3
(1-3 credits)

Issue Study Group
(1-2 credits)

Multiple electives
(1-4 credits each).
10-15 credits to meet a minimum total of 24.

TOTAL CREDITS \geq 24

Professional Development

Training that cuts across disciplines to provide essential professional skills. Applied Environmental Science (offered every Spring) is required of all students. **Two** other Professional Development courses are also required; the boxes below show examples of some of the different types of Professional Development courses that may be taken.

REQUIRED:

MEES 609A: Applied Environmental Science (2 credits)

Professional Development Class 2 (1-3 credits)

Professional Development Class 3 (1-3 credits)

Issue Study Groups

Active discussion and/or analysis of fundamental or current topics and issues. Issue study groups are focused efforts resulting in a public communication piece, such as a white paper, a manuscript, database or an innovative communication product. During their course of study, each Ph.D. and M.Sc. student is required to participate in **one** issue study group.

Electives

Advanced training in specific disciplinary or cross-cutting interdisciplinary science. Electives may include specialized advanced courses, seminars, or additional Foundation, Professional Development, or Issue Study Group courses, as determined by each student and their graduate committee. Electives should comprise about half of the student's total course credits.

* Responsible Conduct of Research recommended if you receive federal (NSF/NIH) funding, please work with your advisor. NOTE: a course may only satisfy one requirement.