

# EARTH AND ENVIRONMENTAL RESOURCES MANAGEMENT, M.E.E.R.M.

The Master of Earth and Environmental Resources Management (M.E.E.R.M.) degree is offered through the School of the Earth, Ocean and Environment.

## Learning Outcomes

1. Students will demonstrate knowledge of the socio-political and bio-physical dimensions of earth and environmental resource management.
2. Students will demonstrate that they can effectively integrate socio-political concepts with scientific information.
3. All students must demonstrate that they can effectively communicate, both orally and in writing the integrated concepts developed within the courses completed and their research project / internship.

## Admission

Applicants for a graduate degree in the School of Earth Ocean and Environment must have a baccalaureate degree from an approved and accredited college or university. Requirements for admission to all programs within the School of Earth Ocean and Environment conform with the general regulations of The Graduate School. Applicants whose native language is not English are also required to submit a satisfactory score on an English proficiency test according to The Graduate School guidelines.

### Programs

- Master of Earth and Environmental Resources Management, M.E.E.R.M. (<https://academicbulletins.sc.edu/graduate/arts-sciences/earth-ocean-environment/earth-environmental-resources-management-meerm/>)
- Geological Sciences, M.S. (<https://academicbulletins.sc.edu/graduate/arts-sciences/earth-ocean-environment/geological-sciences-ms/>)
- Geological Sciences, Ph.D. (<https://academicbulletins.sc.edu/graduate/arts-sciences/earth-ocean-environment/geological-sciences-phd/>)
- Marine Science, M.S. (<https://academicbulletins.sc.edu/graduate/arts-sciences/earth-ocean-environment/marine-science-ms/>)
- Marine Science, Ph.D. (<https://academicbulletins.sc.edu/graduate/arts-sciences/earth-ocean-environment/marine-science-phd/>)

### Applications Requirements

Requirements that are common to all programs:

1. Completion of an online Graduate School application;
2. A resume/CV
3. Transcripts from all institutions attended.
4. Three letters of recommendation from faculty or other professionals in the field

5. A Personal statement that includes your research interests and professional goals.

6. Submission by applicants whose native language is not English of a satisfactory English proficiency test score according to The Graduate School guidelines.

Questions concerning admission should be submitted to the director of graduate studies for the School of the Earth, Ocean and Environment (GradDir@seo.sc.edu).

## Degree Requirements (36 Hours)

This master's degree program is focus-based on students' backgrounds and interests. Electives are available in geological, biological, marine, and environmental health sciences; geography; chemistry and biochemistry; chemical, civil, and environmental engineering; environmental law; policy; and business administration, based on the background and needs of the student. At least one-third of the course work must be in earth and environmental resources and at least one-third in management, finance, policy, and economics, but no more than 50 percent in either field. Students will be required to complete six hours of integrative seminars. Courses exist in business administration for graduate students with nonbusiness backgrounds. Students will be required to demonstrate sufficient background in one or more fields, gained by academic study or experience, to qualify for graduate courses in earth or environmental resources.

### Coursework

By design, no core curriculum is specified except the two required integrative seminars to be taken from the following courses:

Course	Title	Credits
ENVR 700	Current Topics in Environmental Studies	3
ENVR 800	Seminar in Environmental Studies	3
ENVR 804	Environmental Advocacy Seminar	3
ENVR 835	Seminar in Environmental Ethics	3
GEOL 560	Earth Resource Management	3
GEOL 743	Decision Making in Environmental Resource Management	3

**Total Credit Hours** **18**

## Additional Information

Additional course offerings will be tailored to the individual's interests and background of experience and education. Students will enroll in existing courses in the Environmental and Sustainability Program (formerly School of the Environment); geological, biological, or marine sciences; chemical, civil, or environmental engineering; environmental health; chemistry or biochemistry; geography; business administration; and other disciplines. The integrative seminars serve the purpose of relating science and nonscience subject matter. A program of study will be developed with the student's interdisciplinary committee according to the guidelines established by the coordinating committee and will be approved by the student's advisor and by the graduate director. Theses will be supervised by an appropriate advisor and interdisciplinary committee based on the student's research topic.

The program requires a total of 36 credit hours, which includes 6 hours of thesis credit or, with director's approval, 6 hours of approved electives in lieu of a thesis. There is no foreign language requirement.

All candidates for a degree in the MEERM graduate program must complete a comprehensive examination followed by a comprehensive assessment that is distinct from program course requirements. A comprehensive assessment requires the student to synthesize and integrate knowledge acquired in coursework and other learning experiences and to apply theory and principles in a situation that approximates some aspect of professional practice or research in the discipline. It must be used as a means by which faculty judge whether the student has mastered the body of knowledge and can demonstrate proficiency in the required competencies. Since the MEERM degree has three paths to degree (traditional thesis, traditional non-thesis, and internship), each distinct path has a separate comprehensive assessment model. Students in the traditional thesis track need only successfully defend their thesis and provide a copy of the approved thesis as evidence of successful completion of the comprehensive assessment. Similarly, traditional non-thesis students should petition the Director of the MEERM program for non-thesis status and provide evidence of scholarly research, including, but not limited to, an applied research project, comprehensive manual or other major written work. Students admitted into the traditional non-thesis track will be required to present a detailed public seminar prior to graduation that integrates this scholarly work with knowledge acquired in MEERM coursework. This integrated seminar may be used as evidence of successful completion of the comprehensive assessment. Internship track students ordinarily present a detailed, public seminar that outlines the internship experience after the internship has been completed. As the internship advisor, faculty advisor, all other committee members and the Graduate Studies Director are required to attend and critically evaluate this seminar, the internship seminar will be used as a means to judge the student's grasp of relevant knowledge and ability to synthesize coherently a swath of MEERM disciplines. Satisfactory completion of the internship seminar will be used as evidence for successful completion of the comprehensive assessment.

It is expected that students with demonstrated course work in earth or environmental resources and pertinent experience should be able to complete the program in two years.