

Master of Environmental Engineering (MEVE)

Total Minimum Hours: 30

The minimum coursework requirement for the Master of Engineering in Environmental Engineering degrees is 30 credit hours. No research thesis is required. All students must take three “principles” courses (Physical/Chemical Principles; Biological Principles; Aquatic Chemistry), at least one “sustainability” course, and at least two environmental engineering “process” elective courses.

Core Courses (required)- 12 hours minimum

ENV 6002	3	Physical & Chemical Principles of Environmental Engineering
EES 6107	3	Biological Principles of Environmental Engineering
ENV 6666	3	Aquatic Chemistry

And at least one of the following:

CGN 6933	3	Green Engineering for Sustainability or
CGN 6933	3	Green Infrastructure for Sustainable Communities or
ENV 6510	3	Sustainable Development Engineering

Elective Courses-18 hours minimum:

(≥18 hours, at least two courses must be from this list)

ENV 6105	3	Air Pollution Fundamentals
ENV 6438	3	Physical & Chemical Processes for Treatment of Drinking Water
ENV 6519	3	Physical & Chemical Processes for Groundwater Remediation
ENV 6564	3	Environmental Engineering Design
ENV 6667	3	Environmental Biotechnology

Portfolio

Portfolio and oral interview are used in lieu of a comprehensive exam. The purpose of the portfolio and interview is for students to demonstrate that they have achieved a minimum level of proficiency in stipulated competencies. Specifically, by the time they graduate, students will demonstrate

- an ability to plan, compose, and integrate verbal, written, virtual, and graphical communication of a project to technical and non-technical audiences, and
- an ability to formulate and solve complex problems in Environmental Engineering using relevant data and techniques.

Additional details regarding portfolio requirements will be provided to students by the Department.

MASTER OF ENVIRONMENTAL ENGINEERING (MEVE)
Curriculum Program of Study Form (updated 06/16)

Name:		USF ID#	
Address:			
Phone:			
Email:			

30 Total Credits of Coursework:

<i>Course Title</i>	<i>Number</i>	<i>Credits</i>	<i>Semester</i>	<i>Outside CEE?</i>	<i>Grade</i>
Required Core Courses:					
Physical & Chemical Principles in Environmental Engineering	ENV 6002	3			
Biological Principles of Environmental Engineering	EES 6107	3			
Aquatic Chemistry	ENV 6666	3			
At least one of the following:					
Green Engineering for Sustainability	CGN 6933	3			
Green Infrastructure for Sustainable Communities	CGN 6933	3			
Sustainable Development Engineering	ENV 6510	3			
At least 6 credits from the following processes courses:					
Physical & Chemical Processes for Groundwater Remediation	ENV 6519	3			
Environmental Biotechnology	ENV 6667	3			
Air Pollution Fundamentals	ENV 6105	3			
Physical & Chemical Processes for Treatment of Drinking Water	ENV 6438	3			
Environmental Engineering Design	ENV 6564	3			
12 Additional credits (may include any of the above courses)					
				Total Credits Outside CEE	
				Total Credits Independent Study	
				Total Credits (30 required)	

Graduate Program Coordinator: _____
 Signature and Date