ENVIRONMENT, SUSTAINABILITY, AND MANAGEMENT - ASSOCIATE IN SCIENCE

ESMD

The Environment, Sustainability, and Management Associate in Science degree prepares students to achieve professional employment in sustainable agriculture, horticulture, land management, and related businesses in the Green Sector. The program introduces students to key concepts in resource management, pollution, our evolving interactions with an ever-changing ecological landscape, and industry practices necessary to operate a business effectively yet conscientiously. The curriculum explores topics in land, water, and air; how humans positively and negatively impact their local and global environments; business management, entrepreneurship, innovation, and design, and includes a cooperative work experience with an employer in agriculture, sustainability, or a related field.

Requirements

Code	Title	Hours
General Education Requirements		
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1240	Statistical Analysis I	3
BUSN 1010	Introduction to Business	3
BIOL 1001	Introductory Biology: Organismal	4
CHEM 1030	General Chemistry I	5
COMM 1010	Communication Fundamentals^	3
ECON 2030	Principles of Microeconomics	3
HIST or ENGL Literature	History or English Literature General Education Elective [1]	3
Subtotal		27
Major Requirements		
BIOL 1050	Humans and the Environment	3
AGIS 1000	ArcGIS I: Introduction to ArcGIS	2-4
or ENGT 1060	AutoCAD (Basic)	
BUSN 1145	Entrepreneurship 1: Introduction to Entrepreneurship	3
BIOL 2410	Biology of Insects	4
BIOL 2420	Introduction to Soil Science	4
Choose one of the following:		3-4
GEOL 1010	Introduction to Geology - How the Earth Works	
GEOL 1050	Urban Geology	
OCEN 1010	Introduction to Oceanography	
BUSN 1165	Entrepreneurship 2: The Design Process	3
PLS 132G or PLS 150	Sustainable Agriculture, Food Systems, and Society or Plants, People and the Planet [2]	3
Choose one of the following:		3-4
BUSN 1060	Leadership Development	

BUSN 1175	Operations and Supply Chain Management	
BUSN 1185	Entrepreneurship 3: The Lean Startup	
BUSN 2050	Principles of Management^	
BUSN 2060	Principles of Marketing	
ACCT 1010	Financial Accounting	
Choose one of the following:		3-4
BIOL 2025	Biology of Trees and Shrubs	
BIOL 2130	Food from the Sea	
BSTM 2499	Cooperative Work Experience [3]	3
BSTM 2500	Human Environmental Impacts and Ethical Business Practices Capstone	3
Subtotal		37-42
Total Hours		**64-69**

[1] See specified list of general education history or English literature electives in the list below.

[2] Courses taken at URI.

[3] Supervised cooperative work experience placement during last academic semester. Contact department chair for further information.

History or English Literature Electives

Code	Title	Hours
HIST 1010	Survey of Western Civilization I	3
HIST 1020	Survey of Western Civilization II	3
HIST 1210	History of the United States to 1877	3
HIST 1220	History of the United States from 1877	3
ENGL 1021	American Literature since 1865	3
ENGL 1040	World Literature to 16th Century	3
ENGL 1200	Introduction to Literature	3
ENGL 1210	Introduction to Film	3
ENGL 1250	Readings in the Short Story	3
ENGL 1290	African-American Literature and Culture	3
ENGL 2040	World Literature from 16th Century	3

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1240	Statistical Analysis I	4
BUSN 1010	Introduction to Business	3
BIOL 1001	Introductory Biology: Organismal	4
COMM 1010	Communication Fundamentals^	3
	Hours	**17**
Semester 2		
BIOL 1050	Humans and the Environment	3
CHEM 1030	General Chemistry I	5
AGIS 1000 or ENGT 1060	ArcGIS I: Introduction to ArcGIS or AutoCAD (Basic)	2-4
BUSN 1145	Entrepreneurship 1: Introduction to Entrepreneurship	3
ECON 2030	Principles of Microeconomics	3
	Hours	**16-18**

Year 2

Semester 1

BIOL 2410	Biology of Insects	4
BIOL 2420	Introduction to Soil Science	4
Choose one of the following:		3-4
GEOL 1010	Introduction to Geology - How the Earth Works	
GEOL 1050	Urban Geology	
OCEN 1010	Introduction to Oceanography	
BUSN 1165	Entrepreneurship 2: The Design Process	3
HIST or ENGL Literature Elective	Choose one General Education Elective in History or English Literature [1]	3
	Hours	**17-18**

Semester 2

PLS 132G or PLS 150	Sustainable Agriculture, Food Systems, and Society or Plants, People, and the Planet [2]	3
Choose one of the following:		3-4
BUSN 1060	Leadership Development	
BUSN 1175	Operations and Supply Chain Management	
BUSN 1185	Entrepreneurship 3: The Lean Startup	
BUSN 2050	Principles of Management^	
BUSN 2060	Principles of Marketing	
ACCT 1010	Financial Accounting	
Choose one of the following:		3-4
BIOL 2025	Biology of Trees and Shrubs	
BIOL 2130	Food from the Sea	
BSTM 2499	Cooperative Work Experience [3]	3
BSTM 2500	Human Environmental Impacts and Ethical Business Practices Capstone	3
	Hours	**15-17**
	Total Hours	**65-70**

[1] See specified history and English literature general education electives in the list below.

[2] Courses taken at URI.

[3] Supervised cooperative work experience placement during last academic semester. Contact department chair for further information.

History or English Literature General Education Electives

Code	Title	Hours
HIST 1010	Survey of Western Civilization I	3
HIST 1020	Survey of Western Civilization II	3
HIST 1210	History of the United States to 1877	3
HIST 1220	History of the United States from 1877	3
ENGL 1021	American Literature since 1865	3
ENGL 1040	World Literature to 16th Century	3
ENGL 1200	Introduction to Literature	3
ENGL 1210	Introduction to Film	3
ENGL 1250	Readings in the Short Story	3
ENGL 1290	African American Literature	3
ENGL 2040	World Literature from 16th Century	3

Transfer

If you are interested in earning a bachelor's degree, please meet with an Academic Advisor (https://ccri.edu/advising/) who can help you select the courses that best prepare you for transfer to a four-year college or university.

If you are interested in transferring to Rhode Island College or the University of Rhode Island, check out the Joint Admissions Agreement (https://ccri.edu/jaa/). Transfer information, events and articulations can be found on the Transfer Center website (https://ccri.edu/oes/transfer_center/).