ENIOL 1010

Composition L (or ENCL 1010A) HUMN; Written

1

~

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.

Program Learning Outcomes

Upon completion of this program, a student will be able to:

- 1. Understand and correctly apply principles of environmental and sustainable science.
- 2. Understand and correctly apply principles of business practices, including management, accounting, and design.
- 3. Apply {sound ethical} business practices to situations in environment and sustainability.
- 4. Integrate knowledge of geological, chemical, and biological sciences, environment, and sustainability.
- 5. Critically research opportunities and effectively design solutions in environment, sustainability, and management.
- Evaluate and discuss important business practices impacting environment and sustainability with peers, mentors, and community leaders.
- 7. Gain relevant work experience with one or more established industry partners.

Requirements

Code	Title	Hours
General Education	•	
BIOL 1001	Introductory Biology: Organismal ^{MSCI;} Critical Thinking; Social and Professional Responsibilities	4
BUSN 1010	Introduction to Business SSCI; Written Communication Social and Professional Responsibilities	^{in;} 3
CHEM 1030	General Chemistry I ^{MSCI;} Scientific Reasoning; Quantitative Literacy	5
COMM 1010	Communication Fundamentals ^A HUMN; Non-Writter Communication; Social and Professional Responsibilities	
ECON 2030	Principles of Microeconomics SSCI; Critical Thinking Quantitative Literacy	^{j;} 3

ENGL 1010	Composition I (or ENGL 1010A) ^{HUMN; Written} Communication; Information Literacy	3
	(https://catalog.ccri.edu/academic-information/ on/course-attributes/#histgened/) ^{1; SSCI}	3
Literature Electiv	ve (https://catalog.ccri.edu/academic-information, on/course-attributes/#litgened/) ^{1; HUMN}	/ 3
MATH 1240	Statistical Analysis MSCI; Scientific Reasoning; Quantitative Literacy	4
Subtotal		31
Major Requirem	ents	
BIOL 1050	Humans and the Environment	3
BIOL 2410	Biology of Insects	4
BIOL 2420	Introduction to Soil Science	4
BUSN 1145	Entrepreneurship 1: Introduction to Entrepreneurship	3
BUSN 1165	Entrepreneurship 2: The Design Process	3
BSTM 2499	BSTEM Cooperative Work Experience I ^A	3
BSTM 2500	Human Environmental Impacts and Ethical Business Practices Capstone	3
Choose one of t	ne following:	3-4
ACCT 1010	Financial Accounting	
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	
Choose ONE of t		2-4
AGIS 1000	ArcGIS I: Introduction to ArcGIS	
ENGT 1060	AutoCAD (Basic)	
Choose ONE of t	he following:	3-4
BIOL 2025	Biology of Trees and Shrubs	
BIOL 2130	Food from the Sea	
Choose ONE of t	he following:	4
GEOL 1010	Introduction to Geology - How the Earth Works	
GEOL 1050	Urban and Environmental Geology	
OCEN 1040	Introduction to Oceanography (Formerly OCEN 1010 and 1030)	
Choose ONE of t		3
PLS 132G	Sustainable Agriculture, Food Systems, and Society (Take at URI)	
PLS 150	Plants, People and the Planet (Take at URI)	
Subtotal		38-42
Total Hours		69-73
		09-13

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

Courses taken at URI.

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

^ Work-based learning course

History or English Literature Electives

Code	Title	Hours
AAAF 1248	African-American Literature and Culture	4
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 2040	World Literature from 16th Century	3
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

Recommended Course Sequence

Year 1Semester 1BIOL 1001Introductory Biology: Organismal4BUSN 1010Introduction to Business3COMM 1010Communication Fundamentals^3ENGL 1010Composition I (or ENGL 1010A)3MATH 1240Statistical Analysis I4Hours17Semester 2BIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics3Semester 1BIOL 2410Biology of Insects4BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth Works GEOL 10501/4Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
BIOL 1001 Introductory Biology: Organismal 4 BUSN 1010 Introduction to Business 3 COMM 1010 Communication Fundamentals ^A 3 ENGL 1010 Composition I (or ENGL 1010A) 3 MATH 1240 Statistical Analysis I 4 Hours 177 Semester 2 BIOL 1050 Humans and the Environment 3 BUSN 1145 Entrepreneurship 1: Introduction to Entrepreneurship 1: Introduction to Entrepreneurship 1: Introduction to 3 Entrepreneurship 1: Introduction to 5 Choose ONE of the following: 2-4 AGIS 1000 ArcGIS I: Introduction to ArcGIS ENGT 1060 AutoCAD (Basic) 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 BUSN 1165 Entrepreneurship 2: The Design Process 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
BUSN 1010Introduction to Business3BUSN 1010Communication Fundamentals^3ENGL 1010Composition I (or ENGL 1010A)3MATH 1240Statistical Analysis I4Hours17Semester 2BIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArtoCAD (Basic)ECON 2030Principles of Microeconomics3Vear 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BIOL 2420Introduction to Geology - How the Earth Works3GEOL 1010Introduction to Geology - How the Earth Works3GEOL 1050Urban Geology0CEN 10401
COMM 1010Communication Fundamentals^3ENGL 1010Composition I (or ENGL 1010A)3MATH 1240Statistical Analysis I4Hours17Semester 2Iteration in the Environment3BIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of MicroeconomicsSemester 1If-18BIOL 2410Biology of InsectsBIOL 2410Biology of InsectsBIOL 2410Introduction to Soil ScienceBIOL 2410Introduction to Geology - How the Earth WorksGEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN)
ENGL 1010 Composition I (or ENGL 1010A) 3 MATH 1240 Statistical Analysis I 4 Hours 177 Semester 2 BIOL 1050 Humans and the Environment 3 BUSN 1145 Entrepreneurship 1: Introduction to 3 Entrepreneurship 1: Introduction to 3 Entrepreneurship 1: Introduction to 5 Choose ONE of the following: 2-4 AGIS 1000 ArcGIS I: Introduction to ArcGIS ENGT 1060 AutoCAD (Basic) 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 BUSN 1165 Entrepreneurship 2: The Design Process 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
MATH 1240Statistical Analysis I4Hours17Semester 2IBIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of MicroeconomicsBIOL 2410Biology of InsectsBIOL 2410Biology of InsectsBIOL 2420Introduction to Soil ScienceABISN 1165Entrepreneurship 2: The Design ProcessChoose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
Hours17Semester 2BIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics3Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth Works3-4GEOL 1050Urban Geology0CEN 1040OCEN 1040Introduction to Oceanography (Formerly OCEN
Semester 2BIOL 1050Humans and the Environment3BUSN 1145Entrepreneurship 1: Introduction to Entrepreneurship3CHEM 1030General Chemistry I5Choose ONE of the following:2.4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of MicroeconomicsFours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3.4GEOL 1010Introduction to Geology - How the Earth Works3.4GEOL 1050Urban Geology0CEN 1040OCEN 1040Introduction to Oceanography (Formerly OCEN)3.4
BIOL 1050 Humans and the Environment 3 BUSN 1145 Entrepreneurship 1: Introduction to Entrepreneurship 0 CHEM 1030 General Chemistry 1 5 Choose ONE of the following: 2-4 AGIS 1000 ArcGIS I: Introduction to ArcGIS ENGT 1060 AutoCAD (Basic) ECON 2030 Principles of Microeconomics 3 Choose ONE of Hours 16-18 Year 2 Semester 1 BIOL 2410 Biology of Insects 4 BIOL 2420 Introduction to Soil Science 4 BUSN 1165 Entrepreneurship 2: The Design Process 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
BUSN 1145 Entrepreneurship 1: Introduction to Entrepreneurship CHEM 1030 General Chemistry I 5 Choose ONE of the following: 2-4 AGIS 1000 ArcGIS I: Introduction to ArcGIS ENGT 1060 AutoCAD (Basic) 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 BIOL 2420 Introduction to Soil Science 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
EntrepreneurshipCHEM 1030General Chemistry I5Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics3Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN)
Choose ONE of the following:2-4AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics Hours 16-18Year 2Semester 1BIOL 2410Biology of InsectsBIOL 2420Introduction to Soil ScienceABUSN 1165Entrepreneurship 2: The Design ProcessChoose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
AGIS 1000ArcGIS I: Introduction to ArcGISENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics3Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
ENGT 1060AutoCAD (Basic)ECON 2030Principles of Microeconomics3Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
ECON 2030Principles of Microeconomics3Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
Hours16-18Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
Year 2Semester 1BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
Semester 1 BIOL 2410 Biology of Insects 4 BIOL 2420 Introduction to Soil Science 4 BUSN 1165 Entrepreneurship 2: The Design Process 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
BIOL 2410Biology of Insects4BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
BIOL 2420Introduction to Soil Science4BUSN 1165Entrepreneurship 2: The Design Process3Choose ONE of the following:3-4GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
BUSN 1165 Entrepreneurship 2: The Design Process 3 Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN
Choose ONE of the following: 3-4 GEOL 1010 Introduction to Geology - How the Earth Works GEOL 1050 Urban Geology OCEN 1040 Introduction to Oceanography (Formerly OCEN)
GEOL 1010Introduction to Geology - How the Earth WorksGEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN)
GEOL 1050Urban GeologyOCEN 1040Introduction to Oceanography (Formerly OCEN
OCEN 1040 Introduction to Oceanography (Formerly OCEN
1010 and 1030)
Choose ONE of the following: 3
History Elective (https://catalog.ccri.edu/academic- information/general-education/course-attributes/#histgened/)
Literature Elective (https://catalog.ccri.edu/academic- information/general-education/course-attributes/#litgened/)
Hours 17-18
Semester 2
Choose ONE of the following: ² 3

PLS 132G	Sustainable Agriculture, Food Systems, and Society (take at URI)	
PLS 150	Plants, People, and the Planet (take at URI)	
Choose ONE of t	he following:	3-4
ACCT 1010	Financial Accounting	
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	
Choose ONE of the following:		3-4
BIOL 2025	Biology of Trees and Shrubs	
BIOL 2130	Food from the Sea	
BSTM 2499	BSTEM Cooperative Work Experience I ^{A 3}	3
BSTM 2500	Human Environmental Impacts and Ethical	3
	Business Practices Capstone	
	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 2040	World Literature from 16th Century	3

Transfer

Please meet with an Academic Advisor/Student Success Coach (https:// ccri.edu/advising/) if you are interested in earning a bachelor's degree. Your Academic Advisor will help you select the courses that best prepare you for transfer to a four-year college or university.

Check out the Joint Admissions Agreement (https://ccri.edu/jaa/) if you are interested in transferring to Rhode Island College or the University of Rhode Island. The JAA program offers seamless transfer to RIC or URI with additional benefits. Transfer information, events, and articulations are available on the Transfer Center website (https://ccri.edu/oes/ transfer_center/).