

THE UNIVERSITY OF RHODE ISLAND

Environmental and Natural Resource Economics - B.S.

Option: Environmental Economics and Management

120 Earned Credits Total

web.uri.edu/enre

Student: _____
 Student ID: _____
 Advisor: _____

General Education Guidelines:

General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code. General education courses may also be used to meet requirements of the major or minor when appropriate.

LIST COURSES THAT MEET GENERAL EDUCATION:

LIST COURSE AS EACH OUTCOME IS MET:

General Education Credit Count						
At least 40 credits, no more than 12 credits with the same course code						
Course	Credit	Grade	Course	Credit	Grade	
*NRS100	3					
*BIO101	3					
*BIO103	1					
*BIO102	3					
*BIO104	1					
*CHM101 or	3					
*CHM103						
*GEO103	4					
*MTH131	3					
*EEC105	3					
*EEC432	3					
Total Gen Ed Credits						

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	*NRS100
A2. Social & Behavioral Sciences	*EEC105
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	*MTH131
B4. Information literacy	*EEC432
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity & Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	*EEC432
GRAND CHALLENGE	
G. At least one course of your 40 credits is an approved "G" course	

NOTE: BECAUSE MOST COURSES MEET MORE THAN ONE OUTCOME, YOUR OUTCOME AUDIT MIGHT BE COMPLETED BEFORE YOU REACH YOUR 40 CREDITS. HOWEVER, YOU MUST STILL COMPLETE 40 CREDITS OF GENERAL EDUCATION

*course fulfills general education and a major requirement

Transfer out of University College for Academic Success Requirement: Must have completed at least 24 credits with a minimum cumulative 2.0 GPA, and received permission from the University College major advisor.

Advising Notes: _____

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ABOUT THE BS IN ENVIRONMENTAL & NATURAL RESOURCE ECONOMICS:

ENVIRONMENTAL ECONOMICS MANAGEMENT (EEM) OPTION:

Environmental Economics & Management option offers students classes that blend the natural, physical, and economic sciences. The option is recommended for students interested in biodiversity conservation, land and water conservation, natural hazards, and global climate change, and those seeking a career in government agencies and non-governmental organizations dealing with these environmental issues. EEM has a stronger emphasis on the environmental sciences and prepares students to analyze problems of natural resources management by having a broader understanding of relationships between the processes of the physical and biological world, and of the economic systems. Please consult the Environmental & Natural Resource Economics website at: <http://web.uri.edu/enre/>.

PROGRAM REQUIREMENTS:

INTRO to URI & Professional Courses: (10 credits)			
Course	Semester	Credits	Grade
URI 101		1	
*NRS 100		3	
*EEC 105		3	
EEC 205	Spring	3	

WRITING 200+ Level Requirement: (3-4 credits)			
Course	Semester	Credits	Grade
WRT _____		3 or 4	

BASIC & SUPPORTING SCIENCE (31 Credits)			
Course	Semester	Credits	Grade
*BIO 101		3	
*BIO 103		1	
*BIO 102		3	
*BIO 104		1	
BIO 262		4	
*CHM101/102, or *CHM103/105		4	
*GEO 103		4	
NRS 212		4	
*MTH 131		3	
STA 308		4	

FREE ELECTIVES: Courses taken beyond the requirements of the major and general education to reach the 120 credits required for graduation.

Course	Semester	Credits	Grade

CONCENTRATION Requirement: (24 credits total)			
<i>CONCENTRATION EEC / ECN Courses: (12 credits)</i>			
Course	Semester	Credits	Grade
ECN 323; or ECN 328		3	
EEC 310	Fall	3	
*EEC 432	Spring	3	
EEC 440	Fall	3	
<i>CONCENTRATION SCIENCE Courses: (12 credits)</i>			
Credits beyond 12 will count towards Supporting Electives. Choose from the following courses:			
ECOLOGY: NRS 301, 304, 305, 309, 324, 402, 406, 407			
SOILS AND WATERSHED: NRS 351, 412, 423/425, 426, 450, 452, 461, 471			
GEOSCIENCES: GEO 305, 404, 482, 483, 484			
Course	Semester	Credits	Grade

SUPPORTING ELECTIVES (20 credits)			
See list of approved courses. →			
Course	Semester	Credits	Grade

*Course approved for general education

Minimum 2.0 GPA required in major for graduation.
 Minimum 2.0 cumulative GPA required for graduation.

Supporting Electives for Environmental and Natural Resource Economics
Effective 2019 - 2020

Subject	Code	Title	Credits
Africana Studies	AAF 410	Issues in African Development	3
Aquaculture & Fisheries Science	AFS 200+	All courses 200 level and above	
Anthropology	APG 319	Cultural Behavior and Environment	3
	APG/PSY 405	Psychological Anthropology	3
	APG 413	Peoples of the Sea	3
Animal and Veterinary Science	AVS 300+	All courses 300 level and above	
Biology	BIO 200+	All courses 200 level and above	
Business	BUS 200+	All courses 200 level and above	
Chemistry	CHM 200+	All courses 200 level and above	
Cell & Molecular Biology	CMB 211	Introductory Microbiology	4
	CMB 300+	All courses 300 level and above	
Communication Studies	COM/SUS 315	Environmental Dimensions of Communication	3
	COM 455	Science & Communication	3
Community Planning	CPL 391	Directed Study in Community Planning	1 to 3
	CPL 400+	All courses 400 level and above	
Computer Science	CSC 200	Computer Problem Solving for Science & Engineering	4
	*CSC 201	Introduction to Computer Programming	4
	CSC 211	Object Oriented Programming	4
	CSC 450	Scientific Computing	4
Economics	ECN 200 +	All courses 200 level and above	
Environmental Economics	EEC 200+	All courses 200 level and above	
Entomology	ENT 300+	All courses 300 level and above	
Environmental Sciences	EVS 300+	All courses 300 level and above	
Geosciences	GEO 210	Landforms: Origins & Evolution	4
	*GEO/EEC/NRS 234G	Introduction to Water Resources	3
	GEO 300+	All courses 300 level and above	
Marine Affairs	MAF 100+	All courses 100 level and above	
Mathematics	MTH 132	Applied Calculus II	3
	*MTH 142	Calculus II	4
	MTH 215+	All courses 215 and above	
Nutrition & Food Sciences	NFS 400 +	All courses 400 level and above	
Natural Resources Science	NRS 200	Seminar in Natural Resources	1
	NRS 223	Conservation Biology	4
	*NRS/EEC/GEO 234G	Introduction to Water Resources	3
	NRS 300+	All courses 300 level and above	
Oceanography	OCG 300+	All courses 300 level and above	
Philosophy	*PHL 212	Ethics	3
	*PHL 215	Science & Inquiry	3
	*PHL 217	Social Philosophy	3
	PHL 451	Symbolic Logic	3
	*PHL 452	Philosophy of Science	3
	PHL 453	Philosophy of the Social Sciences	3
Plant Sciences	PLS 200	Introduction to Plant Protection	4
	PLS 210	Plant Protection Practicum	2
	PLS 300+	All courses 300 level and above	
Political Science	PSC 211	World Politics	4
	PSC 300+	All courses 300 level and above	
Psychology	PSY 301	Introduction to Experimental Psychology	3
	PSY 302	Applied Methods in Psychological Research	3
	PSY/APG 405	Psychological Anthropology	3
Statistics	STA 400+	All courses 400 level and above	
Sustainability	SUS 300+	All courses 300 level and above	
Writing	*WRT 332	Technical Writing	3

*Courses that meet general education requirements.

**APG310 Topics in Anthropology & COM410 Advanced Topics in Comm. Studies are approved only if topics relevant to major

***CVE300+ and OCE300+ are approved, but may not be accessible to most majors

Effective: 2019 - 2020

B.S. Environmental and Natural Resource Economics
Option: Environmental Economics and Management - Effective Fall 2019
College of the Environment and Life Sciences
SAMPLE Four-Year Plan

Freshman Year *Fall* Semester

Course Code	Description	Cr
URI 101	Planning for Academic Success	1
*EEC 105	Introduction to Resource Economics	3
*NRS 100	Natural Resource Conservation	3
*BIO 101/103	Principles of Biology I/Lab	4
	*General Education	3-4
		14-15

Freshman Year *Spring* Semester

Course Code	Description	Cr
EEC 205	Environmental Economics and Policy	3
*GEO 103	Understanding the Earth	4
*BIO 102/104	Principles of Biology II/Lab	4
	*General Education	3-4
	*General Education	3-4
		17-19

Year 1 Milestones: Earn 30 credits with a cumulative gpa of 2.0 or higher. EEC205 (offered spring only). Finalize ENRE option selection (GMS or EEM). Transfer from UC to CELS. Consider a summer internship.

Sophomore Year *Fall* Semester

Course Code	Description	Cr
*MTH 131	Applied Calculus I	3
NRS 212	Introduction to Soil Science	4
BIO 262	Introductory Ecology	4
	*General Education	3-4
	*General Education	3-4
		17-19

Sophomore Year *Spring* Semester

Course Code	Description	Cr
*CHM 101/102 or *CHM103/105	General Chemistry I/Lab, or Introductory Chemistry/Lab	4
STA 308	Introductory Statistics	4
	Supporting Elective	3-4
WRT_____	WRT 200 level or above	3-4
		14-16

Year 2 Milestones: Earn 60 credits with a cumulative gpa of 2.0 or higher. NRS212 (offered fall only). Consider a minor (optional). Meet with faculty advisor to plan jr/sr year courses and discuss internship/research/study opportunities.

Junior Year *Fall* Semester

Course Code	Description	Cr
EEC 310	Economics of Natural Resource Mgt & Policy	3
ECN328 or ECN 323	Interm. Econ. Theory: Pricing/Distrib; or Intermediate Microeconomics	3
	Concentration Science	3-4
	Supporting Elective	3-4
	Supporting Elective	3-4
		15-19

Junior Year *Spring* Semester

Course Code	Description	Cr
	Concentration Science	3-4
	Concentration Science	3-4
	Free Elective	3-4
	Supporting Elective	3-4
	Supporting Elective	3-4
		15-19

Year 3 Milestones: Earn 90 credits with a cumulative gpa of 2.0 or higher. EEC310 (offered fall only). Meet with faculty advisor to plan senior year courses, discuss internship/research opportunities, and prepare Intent to Graduate Application for fall submission.

Senior Year *Fall* Semester

Course Code	Description	Cr
EEC 440	Benefit-Cost Analysis	3-4
	Concentration Science	3-4
	Supporting Elective	3-4
	Supporting Elective	3-4
	*General Education	3-4
Total Credits to Graduate = 120		15-19

Senior Year *Spring* Semester

Course Code	Description	Cr
*EEC 432	Environmental & Resource Econ. & Policy	3
	*General Education	3-4
	Free Elective	3-4
	Free Elective	3-4
	Free Elective	3-4
		15-19

Year 4 Milestones: Complete all remaining courses and requirements. EEC440 (offered fall only) and EEC432 (offered spring only). Minimum of 120 earned credits with a cumulative gpa of 2.0 or higher; and minimum 2.0 gpa in major concentration courses.