ENVIRONMENTAL MANAGEMENT EMPHASIS (WITH A 3+2 MASTER IN ENVIRONMENTAL MANAGEMENT)

This Recreation and Outdoor Education comprehensive emphasis allows students to complete the B.A. in ROE with the Outdoor Education emphasis and the Master in Environmental Management (MEM) at Western in five years. In addition to requirements listed below, students must

1. become a certified Wilderness First Responder (WFR), and
2. complete at least 100 hours of certification-based or skill-based courses (not including WFR, Project Wet, Project Wild, or other certifications associated with required courses).

To remain qualified for the 3+2, upon earning 64 credits each student must have: maintained a 3.0 cumulative GPA and a 3.25 GPA within the major;

- maintained a 3.0 cumulative GPA and a 3.25 GPA within the major;
- earned a B or above in two social science, two natural science (one with lab), and one statistics course;
- fulfilled the 3-credit Internship requirement with a B or above and positive letter from the project sponsor;
- provided three letters of recommendation, at least one of which is to be a professional reference and at least one of which is to be an academic reference from the student's major at Western;
- written a Statement of Purpose to the MEM program, detailing early career ambitions and ideas and connections for the eventual master's Project.

At this point, if any aspect of a student's performance is found to be insufficient, the MEM Director may reject a 3+2 student from the MEM program, in which case the student will need to find a new emphasis or minor in order to complete the undergraduate degree.

Having met the criteria above and upon completed 91 credits (see "Major Map" at www.western.edu/3_2 (http://www.western.edu/3_2/)), the School of Graduate Studies will designate students "MEM candidates with provisional acceptance." Upon completion of the final 29 credits of the Western B.A. in Year 4 of this plan, the School of Graduate Studies will designate students as "MEM degree seeking students." Students who choose to leave the MEM program before Year 5 of the 3+2 program will be required to complete the requirements of the Recreation, Outdoor Environmental Education, or Outdoor Leadership emphasis, making them eligible for an undergraduate degree

Program Requirements

A minimum of 77 credits is required for the B.A. The following is required for the Comprehensive Program with Five-Year Master in Environmental Management, in addition to

1. becoming a certified Wilderness First Responder (WFR), and
2. completing at least 100 hours of certification-based or skill-based courses (not including WFR, Project Wet, Project Wild, or other certifications associated with required courses):

Code	Title	Credits
ROE 182	Introduction to Recreation and Outdoor Education	3
ROE 189	Principles of Outdoor Education	3
ROE 230	Interpretation of Natural and Cultural History	3
ROE 235	Foundations of Teaching Environmental Education	3
ROE 240	Alternative Programming	3
ROE 283	Leadership and Facilitation	3
ROE 351	Inquiry into Sustainability	3
ROE 398	Program Planning (with laboratory)	3
ROE 490	Recreation Philosophy and Ethics	3
ROE 491	Senior Seminar	3
ROE 499	Internship in Recreation and Outdoor Education	6-9
Required Supporting Courses		
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
ENVS 200	Writing the Environment	3
Select two of the following:		6
ROE 293	Outdoor Pursuits Education - Water w/ Lab	
ROE 295	Outdoor Pursuits Education - Snow Based w/Lab	
ROE 296	Outdoor Pursuits Education - Land Based	
Select two of the following:		6
ENVS 360	Global Environmental Policy	
ROE 364	Entrepreneurship and Commercial Recreation	
ROE 391	Experiential Education Theory and Pedagogy	
ROE 454	Human Development and Counseling for Outdoor Educators	
ROE 466	Facilities and Administration	
ROE 468	Leadership and Administration	
Select one of the following:		3
ECON 216	Statistics for Business and Economics	
MATH 113	Statistical Thinking (GT-MA1)	
MATH 213	Probability and Statistics (GT-MA1)	
SOC 211	Quantitative Research Methods	
Core MEM Courses		
ENVS 601	Introduction to Environmental Management	5
ENVS 605	Science for Environmental Management	3
ENVS 608	Environmental Politics & Policy	3
ENVS 611	Integrative Skills for Environmental Management	3
ENVS 612	Introduction to Analysis and Assessment for Environmental Management	3
ENVS 615	From Climate Science to Action	3
Select one of the following from the MEM Emphases:		3
Sustainable and Resilient Communities Emphasis:		
ENVS 616	Environmental Organization Development and Management	
Global Sustainability Emphasis:		
ENVS 617	Global Sustainability	
Integrative and Public Land Management Emphasis:		

ENVS 618	Public Lands Management	
Total Credits		**80-83**

Upon successful completion of the prescribed courses listed above, University defined General Education, and elective requirements totaling 120 credits (with 40 at the 300-level or higher), students are eligible for their B.A. conferral. Students electing to complete MEM must follow the balance of their declared emphasis curriculum.

For a full description of the required Graduate coursework, please see the appropriate MEM program in the Western Graduate Catalog (https://catalog.western.edu/graduate/programs/environmental-management/).

Capstone Course Requirement

The following courses in the Business Administration Major fulfill the capstone course requirement: BUAD 491 STRATEGIC MANAGEMENT.

Graduation Requirements

Undergraduate programs require a minimum of 120 semester credits for graduation. Of those 120 credits, 40 credits must be in upper-division courses (those marked 300 and above). Fifteen of these 40 upper-division credits must be earned in courses that are part of the standard or comprehensive major program being pursued.

Students are expected to review all graduation requirements, which can be found in the Western Undergraduate Catalog: Graduation Requirements (https://catalog.western.edu/undergraduate/graduation-requirements/).

Major Map and Sample Sequence Outdoor Education Emphasis with 3+2 Master in Environmental Management

Course	Title	Credits
Year One		
Fall		
ENG 102	Writing and Rhetoric I (GT-CO1)	3
Gen Ed [1]		3
Gen Ed	GE Natural Sciences	4
HWTR 100	First Year Seminar	1
ROE 189	Principles of Outdoor Education	3
ROE 182	Introduction to Recreation and Outdoor Education	3
	Credits	**17**
Spring		
ENG 103	Writing and Rhetoric II (GT-CO2)	3
ENVS 200	Writing the Environment	3
Gen Ed	GE Natural Sciences	4
ROE 283	Leadership and Facilitation	3
ROE 295	Outdoor Pursuits Education - Snow Based w/Lab (spring break) [2]	3
	Credits	**16**
Summer		
ROE 293	Outdoor Pursuits Education - Water w/ Lab [2]	3
	Credits	**3**
Year Two		
Fall		
Gen Ed	Gen Ed Course (Area I)	6
ROE 235	Foundations of Teaching Environmental Education	3
ROE 296	Outdoor Pursuits Education - Land Based (offered before the start of the regular semester) [2]	3
ROE 351	Inquiry into Sustainability	3
ROE 398	Program Planning (with laboratory)	3
	Credits	**18**
Spring		
ROE 230	Interpretation of Natural and Cultural History	3
ROE/ENVS	Upper-Division from Menu [3]	3
ROE 240	Alternative Programming	3
Gen Ed	Gen Ed Courses	3
STATS [4]		3
	Credits	**15**
Summer		
64 credits completed: Submit 3+2 application materials by July 1		
	Credits	**0**
Year Three		
Fall		
Elective or Math GE		3
Gen Ed Course		3
Elective		3
ROE/ENVS	Upper-Division from Menu [3]	3
	Credits	**12**
Spring		
Gen Ed		3
ROE 490	Recreation Philosophy and Ethics	3
ROE 491	Senior Seminar	3
Elective		3
	Credits	**12**
Summer		
ENVS 601	Introduction to Environmental Management	5
	Credits	**5**
Year Four		
Fall		
ENVS 605	Science for Environmental Management	3
ENVS 608	Environmental Politics & Policy	3
ENVS 611	Integrative Skills for Environmental Management	3
ROE 499	Internship in Recreation and Outdoor Education	3
	Credits	**12**
Spring		
ENVS 612	Introduction to Analysis and Assessment for Environmental Management	3
ENVS 615	From Climate Science to Action	3
ENVS 616 or ENVS 617 or ENVS 618	Environmental Organization Development and Management or Global Sustainability or Public Lands Management	3
ROE 397	Special Topics	3
	Credits	**12**
Summer		
ENVS 690	MEM Project Development	5
	Credits	**5**
Year Five		
Fall		
ENVS 620 or ENVS 625 or ENVS 623	Studies in Sustainable and Resilient Communities or Studies in Integrative and Public Land Management or Studies in Environmental Management	3
ENVS 620 or ENVS 625 or ENVS 623	Studies in Sustainable and Resilient Communities or Studies in Integrative and Public Land Management or Studies in Environmental Management	3
ENVS 694	Master's Project and Portfolio	3
	Credits	**9**

Spring		
ENVS 620 or ENVS 625 or ENVS 623	Studies in Sustainable and Resilient Communities or Studies in Integrative and Public Land Management or Studies in Environmental Management	3
ENVS 694	Master's Project and Portfolio	3
ENVS 694	Master's Project and Portfolio	3
	Credits	**9**
	Total Credits	**145**

1 ENVS 100 Introduction to Environment and Sustainability (GT-SS2) recommended

2 Choose two of the following: ROE 293 Outdoor Pursuits Education - Water w/ Lab, ROE 295 Outdoor Pursuits Education - Snow Based w/ Lab, ROE 296 Outdoor Pursuits Education - Land Based

3 Choose two of the following ROE/ENVS upper-division courses: ROE 364 Entrepreneurship and Commercial Recreation, ROE 391 Experiential Education Theory and Pedagogy, ROE 454 Human Development and Counseling for Outdoor Educators, ROE 466 Facilities and Administration, ROE 468 Leadership and Administration or ENVS 360 Global Environmental Policy (spring)

4 ECON 216 Statistics for Business and Economics, MATH 113 Statistical Thinking (GT-MA1) or MATH 213 Probability and Statistics (GT-MA1), or SOC 211 Quantitative Research Methods