

Overview

The Environmental Resource Policy (ENRP) Program offers a combined Bachelor of Arts and Master of Arts (BAMA) program that allows qualified GW undergraduate students in the Environmental Studies program to take up to 12 ENRP graduate-level credits and apply them to both their BA and ENRP MA degrees. After completing the B.A., students will be able to earn their master's degree by completing only one additional full academic year (summer, fall, and spring semesters) of study.

Application

To be eligible to apply, students must have completed 75 undergraduate credits. Applicants must have a GPA of 3.5 or above in Environmental Studies courses or a cumulative GPA of 3.4 or above. Applicants are not required to take the GRE.

You may submit an application any time after grades are posted for the semester in which you reach the threshold 75 undergraduate credits. We review applications on a continuing basis with a preferred deadline of March 15 for summer and fall admissions, and October 15 for spring admissions. However, strong applicants will be considered at any time. Whenever you submit your application, we will return a decision within one month, and often much more quickly.

Note that to complete the degree within one calendar year of completion of the B.A., you will have to take 6 credits during summer sessions. Contact Dr. Augustine to discuss options.

To apply, submit the following to the Dr. Nancy Augustine (nya@gwu.edu), Director of Graduate Studies (DGS) of the Environmental Resource Policy (ENRP) program by March 15 (for summer and fall admission) or October 15 (for spring admissions):

- Statement of purpose (500 words) describing the applicant's intellectual interests and academic and professional goals.
- Full transcripts of all undergraduate coursework (unofficial transcript of courses completed at GWU accepted).
- Recommendation letter written by a professor who instructs one of the courses required for the Environmental Studies major or the Director of the Environmental Studies program who can provide an informed assessment of the applicant's work. The recommender should send this letter directly to the Director of Graduate Studies of ENRP.
- Interview with the Director of Graduate Studies and/or the Program Director of ENRP.

After securing the approval of the DGS, the student must submit a form to the CCAS Graduate Admissions Office in Phillips 107.

Program of study

A BAMA student enrolls in 12 graduate-level credit hours while a senior. These credits are counted towards the B.A. as well as the M.A. Then he or she can take 6 credit hours during the summer after completion of the B.A., and then the usual full-time load of 9 credit hours each in the spring and fall semesters, for a total of 18 credit hours. The BAMA can be completed in one calendar year from the time of completing the B.A., making it a true "5-year program."

The 12 double counted credits substitute a higher (graduate) level course for a similar upper-level (undergraduate) course.

Students in the BA/MA program take	In lieu of
ENRP 6140 Environmental Law	GEOG 3193 Introduction to Environmental Law
PPPA6066 Environmental Policy	PPPA 2701 Sustainability and Environmental Policy
GEOG 6244 Urban Sustainability	GEOG 3143 Urban Sustainability
One 6000-level Green Leaf course elective	One upper-level Green Leaf course

Typical sequencing

Senior year		
<u>Fall</u>	<u>Spring</u>	
PPPA 6066	ENRP 6140	
GEOG 6244	One 6000-series Green Leaf course	

M.A. year		
<u>Summer</u>	<u>Fall</u>	<u>Spring</u>
ECON 6217***	ENRP 6101*	ENRP 6102*
PPPA 6006	ECON 6237	ENRP 6298
	PPPA 6002**	elective

Sequencing requirements:

1. Complete all required core courses prior to enrolling in the capstone class (ENRP 6298) in the final spring of your program.
2. ENRP 6101/6102 are taken in sequence, in the fall and spring (if required).
3. ENRP 6140 is only offered in spring.
4. Take ECON 6217 spring or summer before ECON 6237 in fall.

We realize that some students may reach senior year out of sync with the standard 4-year program. We will work with you to develop a program of study that meets your circumstances.

Waivers:

*Students who have done significant undergraduate coursework relevant to *environmental sciences* may be able to waive ENRP 6101 and ENRP 6102. If you believe this situation applies to you, contact Director of Graduate Studies, Dr. Nancy Augustine, to discuss further.

**Students who have done significant undergraduate coursework in *applied statistics* may be able to take PPPA 6013, Econometrics for Policy Research I (spring), instead of PPPA 6002. If you believe this situation applies to you, contact Director of Graduate Studies, Dr. Nancy Augustine, to discuss further.

***Students who have done significant undergraduate coursework in *economics* may be able to take PPPA 6015, Benefit-Cost Analysis (fall or spring), instead of ECON 6217. If you believe this situation applies to you, contact Director of Graduate Studies, Dr. Nancy Augustine, to discuss further.

Master of Arts in Environmental Resource Policy

The MA in Environmental Resource Policy Program requires 36 semester hours of appropriate graduate level course work. Course work usually takes four semesters to complete on a full-time basis, and six to eight semesters on a part-time basis. Course work is divided into 24 hours of core requirements (eight courses) and 12 hours of electives (typically four courses).

Students begin the program by taking a specialized two-semester course in Environmental Science, which provides a solid grounding in the scientific side of environmental and resource policy. Students finish the program by completing a capstone project, which provides an opportunity for the student to demonstrate the ability to conduct policy research as part of a small team.

Other core requirements (listed below) provide the broad intellectual base and tools necessary for making multidisciplinary environmental and resource decisions. These courses draw on the expertise of two other departments: Public Policy and Public Administration (PPPA) and Economics (ECON). Upon entering the ENRP program, each student's academic record is reviewed and, if the program feels a core requirement has already been met, that course may be waived. In such cases, an elective course is substituted. All core courses, and most electives, are three credits.

Electives are usually selected either to broaden familiarity with several environmental policy issues, or to specialize in a particular environmental or resource issue. They offer students the chance to tailor the ENRP program to their specific needs and interests. Elective courses can be taken in almost any department at The George Washington University, including, but not limited to, biology, chemistry, geography, international affairs, public policy, economics, political science, engineering management and systems engineering, business administration, and public health, as well as at Consortium Schools like American University, George Mason University, and Georgetown University. Our philosophy: we want you to be able to tailor the program to your goals, and will allow you to take a wide variety of courses as long as they relate to the program. All electives must be approved by Dr. Augustine prior to registration

Electives

The following is a sample of courses offered at GWU that may interest you, and the semesters in which they are *typically* available. We emphasize that this is only a partial list to give you an idea of the range of courses (and departments) available. Several departments offer a rotating selection of special topics courses that may be appropriate. Check the university bulletin for (or ask the instructor about) prerequisites. Even if a course does not have prerequisites, the instructor may assume that students have some technical knowledge. Contact the instructor for a syllabus or more information.

Civil Engineering (CE)	CE 6501	Environmental Chemistry	Fall
	CE 6503	Principles of Environmental Engineering	Fall
	CE 6505	Environmental Impact Assessment	Fall
	CE 6508	Industrial Waste Management	Fall
Electrical & Computer Engineering (ECE)	ECE 6699	Energy and Sustainability	Fall

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Engineering Management and Systems Engineering (EMSE)	EMSE 6220	Environmental Management	Fall
	EMSE 6225	Air Quality Management	Spring
	EMSE 6235	Water Quality Management	Fall
	EMSE 6240	Environmental Hazard Management	Spring
	EMSE 6245	Analytical Tools for Enviro Management	Spring
	EMSE 6260	Energy Management	Spring
Environmental Resource Policy (ENRP)	ENRP 6145	Environmental Justice	Fall
Geography (GEOG)	GEOG 6208	Land Use / Urban Transportation	Spring
	GEOG 6232	Migration and Development	Spring
	GEOG 6221	Geospatial Techniques	Summer
	GEOG 6244	Urban Sustainability	Fall
	GEOG 6250	Geographic Perspectives in Development	Fall
	GEOG 6293	Water Resources Policy and Management	Spring
	GEOG 6293	Arctic Environment	Spring
	GEOG 6304	Geographical Information Systems I	Fall, Spring
	GEOG 6305	Geospatial Statistics	Fall, Spring
	GEOG 6306	Geographical Information Systems II	Spring
	NOTE: "Special topics" courses in this department are numbered 6293; offerings vary from semester to semester		
International Affairs (IAFF)	IAFF 6138	Climate Change and Community Development	Spring
	IAFF 6158	International Issues in Energy	Spring
	IAFF 6158	Energy and Society	Spring
	IAFF 6158	Science, Technology, & Energy Policy	Fall
	IAFF 6186	Energy Security	Spring
	NOTE: "Special topics" courses in this department, relevant to ENRP, may be numbered 6138, 6148, 6158, or 6186; offerings vary from semester to semester		
Public Health (PUBH)	PUBH 6004	Env/Occ Hlth-Sustainable World (2 credits)	Fall, Spring, Summer
	PUBH 6122	Environmental Policy, Politics, and Programs	Spring
	PUBH 6130	Sustainable Energy and Environment (2 credits)	Spring

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Public Policy and Public Administration (PPPA)	PPPA 6013	Econometrics	Spring, Summer
	PPPA 6015	Benefit-Cost Analysis	Fall, Spring
	PPPA 6016	Program Evaluation	Fall, Spring
	PPPA 6031	Governing and Managing Nonprofit Organizations	Fall, Spring
	PPPA 6042	Managing State and Local Government	Fall
	PPPA 6056	Regulatory Comment Clinic	Spring
	PPPA 6058	International Development and NGO Management	Fall
	PPPA 6059	International Development Management	Spring
	PPPA 6066	Environmental Policy	-
	PPPA 6085	Energy Policy	-

NOTE: "Special topics" courses in this department are numbered 6085; offerings vary from semester to semester

Strategic Management and Public Policy (SMPP)	SMPP 6210	Strategic Environmental Management	Spring
	SMPP 6290	Strategic Energy Management and Policy	
	SMPP 6290	Clean Technology and Competitive Energy	Spring

NOTE: "Special topics" courses in this department are numbered 6290; offerings vary from semester to semester

Core Course Descriptions

The following course descriptions appear in the University Bulletin. Contact individual faculty members to see a syllabus for details.

ENRP 6101	Environmental Science I Survey of the basic sciences crucial to environmental issues. Topics related to the lithosphere, hydrosphere, atmosphere, and biosphere. For degree candidates in the program; others may enroll with permission of the instructor.	Fall
ENRP 6102	Environmental Science II Continuation of ENRP 6101. Survey of the basic sciences crucial to environmental issues. Topics related to the lithosphere, hydrosphere, atmosphere, and biosphere. For degree candidates in the program; others may enroll with permission of the instructor.	Spring
ENRP 6140	Introduction to Environmental Law The rationale for environmental impact statements from the viewpoint of the nature and origins of environmental concerns. Government agencies responsible for environmental impact statements; current statutes and regulations pertaining to the environment.	Spring
ECON 6217	Survey of Economics Intermediate-level macroeconomic theory for graduate students in fields other than economics.	Fall, Spring, Summer
ECON 6237	Economics of the Environment and Natural Resources Analysis of public policy problems relating to the environment and natural resources development and management. Prerequisite: ECON 6217.	Fall
PPPA 6002	Research Methods and Applied Statistics Development of skills and knowledge for conducting original research and critically evaluating empirical studies. Various research designs and data collection techniques are examined. Focus on computerizing data sets for quantitative analysis, analyzing strength of relationships, selecting appropriate statistical techniques, and testing statistical hypotheses.	Fall, Spring
PPPA 6006	Policy Analysis Development of skills in conducting and critiquing policy analyses. Application of methodologies used in analyzing possible consequences of specified alternatives as applied in the public policy decision-making process. Appropriate applications and limitations of policy analysis and its relationship to politics and the policy process.	Fall, Spring, Summer
ENRP 6298	Seminar in Environmental Resource Policy The capstone seminar involves team development of a project sponsored by an external entity, such as a government agency or non-governmental organization, or participation in an aspect of a research project directed by a faculty member. The student team functions as an external consultant tasked with analysis of the chosen issue.	Spring