

Energy and Environmental Policy

Master of Energy and Environmental Policy

MEEP Handbook 2020-2021

Energy and Environmental Policy
278 Graham Hall
University of Delaware
<http://enep.udel.edu>

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WELCOME TO THE MEEP DEGREE PROGRAM

The Biden School of Public Policy and Administration

The Master of Energy and Environmental Policy (MEEP), at The Joseph R. Biden, Jr. School of Public Policy & Administration equips students for careers in energy and environmental fields through courses focused on social science, science, engineering and research methods related to the key sustainability challenges within the United States and throughout the world. The Joseph R. Biden, Jr. School of Public Policy and Administration at the University of Delaware prepares students with the knowledge and skills necessary to engage in research and public service activities to improve the quality of life in communities around the world.

Administered by the Center for Energy and Environmental Policy

The ENEP program provides leadership for the MEEP degree. The degree is one of the first interdisciplinary graduate degrees in the U.S. in Energy and Environmental Policy. The MEEP degree provides opportunities for collaboration with faculty working on research projects in conjunction with local, state, national, international and non-governmental partner organizations, and pressing for the integration of social justice in energy and environmental policy development by engaging academic and professional discourses.

Choose Your Career Path

Students who graduate with a MEEP degree are prepared for rewarding academic and professional careers in subject areas such as renewable energy, environmental protection, sustainable development, and climate change policy. Graduates hold positions as energy and environmental planners, policy analysts, program managers, and researchers in the public, private and non-profit sectors. Graduates serve in local and national governments, international agencies, research and policy institutions, consulting firms, energy utilities, and corporate departments with responsibilities for energy and environmental matters. Energy and environmental policy is a dynamic field with numerous career opportunities.

MEEP DEGREE REQUIREMENTS

In order to fulfill the requirements for graduation, students must:

Successfully complete 36 credit hours that fulfill University, concentration-specific course requirements and electives.

- These credit hours include:
 - 6 mandatory credit hours
 - At least 6 credit hours under the Methodology requirement
 - At least 6 credit hours under the Social Science requirement
 - At least 3 credit hours under the Science, Engineering and Public Policy Requirement
 - 15 credit hours that could be completed in one of two ways:
 - A Master's Thesis (6 credit hours) + 9 credit hours of Specialization Courses
 - Analytical Paper (3 credit hours) + 12 credit hours of Specialization Courses

Students must maintain a 2.0 grade point average (GPA) in order to graduate.

Meeting with your Advisor

Your advisor is your assigned faculty member that will help guide you through your time here at ENEP. Your faculty advisor must be a member of the core faculty. We ask you to meet with your advisor on a regular basis, most students meet with their advisor at least once a month. This will keep your advisor updated on your general progress, and will give you the opportunity to inform your advisor about any new potential plans you might have. Your advisor can help you with a range of different issues such as selecting a specific course that fits your plan of study, and advise you of internship possibilities for which you are qualified, and can help you with general advisement.

Registering for Classes

New students should wait to register for courses until the day of orientation where they will have an opportunity to meet with their advisor and discuss specific courses.

Continuing students should meet with their faculty advisor before registering for courses.

You can register for courses at <https://my.udel.edu/>. Choose or search for the “UDSIS for Students” tile. After you log-in to UDSIS, you should go to your personal Student Center. Chose the “Courses and Enrollment” tile and choose “Registration & Drop/Add” from the column on the left.

Registration for independent study courses (ENEP666, ENEP866, ENEP868 and ENEP870) requires the assistance of the ENEP Program Coordinator or the Director. A form (See Appendices) must be completed with the instructor's signature before registration.

Course Requirements

Required Courses

ENEP 625 Energy Policy & Administration (Fall)
 ENEP 810 Political Economy of the Environment (Fall)

Methods Requirement

Choose Six Credits from the following list (*Other UD courses may be substituted with the prior permission of your faculty advisor and the ENEP Program Director*)

Course ID	Course title	Semester Offered	Notes
ENEP 660	Engineering Economic Analysis for Sustainable Energy	Fall	
ECON 801	Microeconomics	Fall	
ECON 802	Macroeconomics	Fall	
ECON 803	Applied Econometrics I	Fall	
ENWC 615	Wildlife Research Techniques	Spring	
GEOG 604	GIS for Environmental Research	Spring	
GEOG 670	Geographic Information Systems and Science	Fall	Confirm offering with GEOG
GEOG 671	Advanced Geographic Information Systems	Spring	
MAST 663	Decision Tools for Policy Analysis	Fall	
MAST 672	Benefit-Cost Analysis	Fall	
MAST 681	Remote Sensing of the Environment	Fall	
POSC 815	Introduction to Statistical Analysis for Political Science	Fall	
POSC 816	Philosophy of Science and Research Design	Fall	
SOCI 605	Data Collection and Analysis	Fall	

SOCI 606	Qualitative Methodology	Spring	
STAT 608	Statistical Research Methods	Fall & Spring	
UAPP 691	Quantitative Analysis in the Public and Non-profit Sectors	Fall	

Social Science Requirement

Choose Six Credits from the following list of Three Credit Classes (*Other UD courses may be substituted with the prior permission of your faculty advisor and the ENEP Program Director*)

Course ID	Course title	Semester Offered	Notes
ENEP 626	Climate Change: Science, Policy and Political Economy	Spring	
ENEP 661	Sustainable Energy Finance		
ENEP 802	Electricity Policy and Planning	Fall	
ENEP 820	International Perspectives on Energy and Environmental Policy	Spring	*See Below
ENEP 821	Technology, Environment, and Society	Fall	*See Below
ENEP 824	Sustainable Energy Policy and Planning	Spring	
ENEP 666	Special Problem	Fall & Spring	
ENEP 868	Research	Fall & Spring	
ENEP 870	Readings	Fall & Spring	
DISA 666	Special Problem	Fall & Spring	
DISA 866	Special Problem	Fall & Spring	
ECON 862	Topics in Industrial Organization and Regulation	Fall	
ENWC 613	Wildlife Policy and Administration	Fall	
GEOG 622	Resources, Development and the Environment	Spring	
MAST 660	International and National Ocean Policies	Fall	
MAST 675	Economics of Natural Resources	Spring	

MAST 676	Disasters, Vulnerability and Development	Spring	
SOCI 671	Disasters, Vulnerability and Development	Spring	
UAPP 611	Regional Watershed Management	Spring	

**MEEP Students considering application to the ENEP PhD should not enroll in ENEP 820 or ENEP 821 during their master's study.*

Science, Engineering and Public Policy Requirement

Choose Three Credits from the following list*:

*Tutorial courses with a number such as 666, 868 or 870 may be taken in a natural science or engineering related topic to meet the science, engineering and public policy requirement. The course must be taken with a member of the University's science or engineering faculty and should be linked to the student's research interest.

Course ID	Course title	Semester Offered	Notes
BISC 635	Population Ecology	Spring	
CIEG 632	Chemical Aspects: Environmental Engineering	Fall	
CIEG 636	Biological Aspects: Environmental Engineering	Spring	
CIEG 650	Urban Transportation Systems	Fall	
CIEG 654	Urban Transportation Planning	Spring	
CIEG 655	Civil Infrastructure Systems	Fall	
CIEG 666	Special Problem	Fall & Spring	
ELEG 620	Photovoltaic Materials and Devices	Fall	
ELEG 628	Solar Energy Technology and Applications	Spring	
ELEG 637	Energy Systems	Fall	
MAST 606	Ocean & Atmosphere Remote Sensing	Fall	
MEEG 642	Introduction to Fuel Cells	Fall & Spring	

Thesis or Analytical Paper Requirement

Each student must complete either:

6-credit Thesis:

For the Master's degree with thesis, the student prepares and defends a research thesis. In this case, the student registers for six credits of Master's Thesis. The thesis is supervised by a committee of three faculty chaired by the student's faculty advisor.

A Master's thesis is expected to be Independent research by the student more in-depth than an Analytical Paper and also requires the submission of a paper on the chosen topic of research within Energy and Environmental Policy and defense of the thesis in front of a committee of 3 faculty members.

3-credit Analytical Paper:

The analytical paper is prepared under the supervision of the student's faculty advisor, with the additional advice of one other faculty or professional reader (selected by agreement of the student and the advisor). The faculty advisor and reader conduct a defense of the analytical paper and decide the final grade. The analytical paper focuses on a specific policy issue and is based on independent research by the student.

In this Independent research for 3 credit hours, a student must demonstrate the ability to analyze particular Energy and Environmental policy or problem and develop an appropriate response. The submission of a paper on the chosen topic of research is required at the end of the semester. The student will also have to defend his/her Analytical Paper in front of their committee of two Faculty members.

A thesis and dissertation manual is prepared and edited by the Office of Graduate and Professional Education. The requirements published therein are effective for all students submitting theses, dissertations, and executive position papers. All graduate students and their advisors are responsible for understanding and following these standards. The manual can be found at <https://www1.udel.edu/gradoffice/forms/thesismanual.pdf>.

TIMEFRAME FOR DEFENSE OF THE THESIS OR ANALYTICAL PAPER

MASTER'S THESIS (ENEP 869) DEFENSE (6 CREDITS)

- End of month 1 of the 3rd semester: Each MEEP student shall submit a 2-3 page outline of their intended Thesis research and seek the support of the Chair of the 2-person Thesis Committee.
- End of month 2 of the 3rd semester: Each MEEP student shall identify with the approval of the Committee Chair a Reader. Each student will also submit a 12-15-page detailed

outline identifying the sections of the proposed Thesis with a 3-5 page accompanying list of publications which will be consulted.

- End of month 3 of the 3rd semester: The Thesis committee will meet with the student to review and comment on the outline.
- End of month 4 of the 3rd semester: The Chair calls a Committee Meeting to review, comment, and, if appropriate, approves the thesis proposal.
- Beginning of month 1 of the 4th semester: Each MEEP student shall submit a first draft of Thesis to the chair, within 3 weeks of the receipt of the first draft, the Chair will provide recommendations to the student for revision of the Thesis. Estimated length: 60-70 pages.
- Beginning of month 2 of the 4th semester: A second draft of the Thesis will be submitted to the Chair for review and comment. The student will receive comments within 1 week and complete suggested revisions by the end of the month 2. Expected length: 80-100 pages.
- Beginning of month 3: The Chair and the student will meet to identify a defense date suitable to them and the Reader. The Thesis is put on display in the ENEP Lobby 5 days before the defense date.

Analytical Paper (ENEP 872) defense (3 credits)

- End of month 1 of the 3rd semester: Each MEEP student shall submit a 2-3 page outline of their intended A/P research and seek the support of the Chair of the 2-person A/P Committee.
- End of month 2 of the 3rd semester: Each MEEP student shall identify with the approval of the Committee Chair a Reader. Each student will also submit a 5-page detailed outline identifying the sections of the proposed A/P with a 2-3 page accompanying list of publications which will be consulted.
- End of month 3 of the 3rd semester: The A/P committee will meet with the student to review and comment on the outline.
- End of month 1 of the 4th semester: Each MEEP student shall submit a first draft of A/P to the chair, within 3 weeks of the receipt of the first draft, the Chair will provide recommendations to the student for revision of the A/P. Estimated length: 30-35 pages.
- Middle of month 3 of the 4th semester: A second draft of the AP will be submitted to the Chair for review and comment. The student will receive comments within 1 week and complete suggested revisions by the end of the month 3. Expected length: 40-60 pages.

- Month 4: The Chair and the student will meet to identify a defense date suitable to them and the Reader. The A/P is put on display in the ENEP Lobby 5 days before the defense date.

Preparing for Your Internship

Internships are an important part of your time here in ENEP. In the summer, you have the opportunity to apply for internships at institutions and organizations outside of ENEP to enrich your professional experience and to gain an understanding of your potential future employment. We recommend that you discuss your ambitions and plans for internships with ENEP's director and your advisor – they have advised many students and, maybe more importantly, they have a network of organizations and institutions they can provide you with. It is important to recognize that some internship are unpaid positions.

Graduation

A “Step by Step Graduation Guide” from the Graduate Office is available at <http://grad.udel.edu/policies/step-by-step-guide-to-graduation/>.

All graduate students must file an Application for Advanced Degree in order for the degree to be awarded. The deadline for application for advance degrees is available at link above.

RESEARCH IN ENEP

Each year, ENEP operates a multi-project research agenda of collaborative projects among faculty and students. Research in ENEP creates opportunities for students to learn more about the academic research process, for thesis and dissertation development, and enables students to engage in community and professional relationships. Research projects are a valuable component of an education here at ENEP since they provide a means to apply learned theories and skills in a practical and professional setting. We will to align interests with research needs.

ENEP RESEARCH ASSISTANTSHIP POLICY STATEMENT

ENEP provides excellent opportunities for graduate students to contribute to research projects as well as gain teaching experience. ENEP research and teaching assistantships are designed to financially support graduate students and cultivate a culture of co-operative inquiry and academic rigor, enriching them as researchers and instructors.

ENEP researchers work in teams in keeping with ENEP's holistic and inter-disciplinary character. This offers student researchers at ENEP the unique experience of working closely with people from different academic fields, countries and cultures. The Faculty at ENEP plays a supervisory role giving the projects a definitive direction. The day to day decision making within the project is the responsibility of the student members under the leadership of a Student Lead, nourishing a sense of ownership among the students.

Typically, MEEP students are not offered any financial support. However, depending upon the availability of TA lines and support of the existing PhD students, ENEP does offer TA positions. ENEP has limited funding but tries to support all of its graduate students. To ensure fairness in funding decisions, equality in work load distribution and quality of the research conducted, the Center abides by the following research and teaching assistantship policies. In addition to the funds available within ENEP, there are other funding opportunities that might be available in the Joseph R. Biden, Jr. School of Public Policy & Administration as well as other University of Delaware sources.

General Student Funding Policy

In accordance with University Policy, an Energy and Environmental Policy graduate student studying with ENEP and receiving a Tuition Scholarship, University Fellowship, or ENEP Research or Teaching Assistantship may not earn income from a second source. Funded students must contribute 20 hours per week to their assignments and the quality of their contribution should meet the high standards of scholarship and analysis expected from professional researchers in the field.

Energy and Environmental Policy Student Association (EEPSA)

The Energy and Environmental Policy Student Association (EEPSA) is the main contact-point outside of your own advisor and the overall faculty of ENEP. The EEPSA board consists of seven students, both master and PhD students. EEPSA organizes both academic events for academic enrichments and social events. In the past, we have organized a wide variety of different kinds of events such as conferences, workshops, camping trips, and much more. This year, we have a range of activities planned that we hope you will all enjoy.

To stay up to date on the EEPSA activities, check out the group's website:

<https://sites.udel.edu/eepsa/about-eepsa/>

Make sure to sign up for the EEPSA-listserv, which provides you with a regular update on any news, new activities, or interesting events at UD. Finally, to further smoothen your transition into the ENEP and EEPSA community, we're starting a mentor program. Each one of you will be assigned a second, third, or fourth-year student as your mentor. Your mentor will help your introduction into the wider group of students and can answer all academic questions you might have. While your advisor is usually the first person to go to for such questions, we recognize that our faculty is already very busy and, as such, might not always have time on a short-term. To help you with questions of an academic nature – such as which courses to take – and to lighten the load on our faculty, your mentor is the right person to approach.

Campus Services

The University of Delaware provides students with assistance in classes, personal development, and finding a job after graduation.

Office of Academic Enrichment

The Office of Academic Enrichment provides students with the skills needed to succeed in classes, including tutoring and study skills, much of which is free of charge.

Office of Academic Enrichment
148-150 S. College Ave
(302) 831-4555
UD-aec@udel.edu
<http://ae.udel.edu/>

University Writing Center

The University Writing Center helps students to improve their writing skills through one-on-one and small group tutorials. Writing tutors will review written assignments to strengthen organization, documentation and grammar.

University Writing Center
016 Memorial Hall and 017 Morris Library
(302) 831-1168
writing-center@udel.edu
<https://www.writingcenter.udel.edu/>

Career Services Center

Career Services Center provides career advice and help finding employment for UD students and alumni.

Career Services Center
401 Academy Street
(302) 831-2392
udcareers@udel.edu
<http://www.udel.edu/students/career-services-center/>

Office for International Students and Scholars (OISS)

For international students, the OISS is a very important service. The OISS has a separate orientation in which they will inform you of all the services they provide. Here, we provide you with their contact information for your convenience:

Office for International Students and Scholars
26 E. Main St.
(302)831-2115
oiss@udel.edu
<http://www1.udel.edu/oiss/>

Helpful Links:

ENEP's homepage

<http://ENEP.udel.edu/>

UDSIS

<http://www.udel.edu/udsis-student>

Webviews (paystubs, etc.)

<http://www.udel.edu/webviews>

People search

<http://www.udel.edu/peoplesearch/>

UD Maps

<http://www.udel.edu/maps/>

Courses Search

<https://primus.nss.udel.edu/CoursesSearch/>

UD Classifieds

www.udel.edu/classifieds

APPENDICES: FORMS

MEEP Tutorial Course Registration Form

ENEP 666

ENEP 866

ENEP 868

ENEP 870

Semester of Tutorial:

Credit Hours:

Student Name:

Student ID:

Instructor Name:

Instructor Signature:

Summary of the Course Description

Basis for Grading:

Detailed Plan of Study Form

MEEP-ENEP

Name (Last, First, M.I.)	Entry Term
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DEGREE REQUIREMENTS

1. Required Courses

Course Number and Title	Credits	Semester/Year	Grade
ENEP 625 Energy Policy and Administration (Fall)	3		
ENEP 810 Political Economy of the Environment (Fall)	3		

2. Methods Requirements: 6 Credits Total

Course Number and Title	Credits	Semester/Year	Grade
	3		
	3		

3. Social Science Requirement: 6 Credits Total

Course Number and Title	Credits	Semester/Year	Grade
	3		
	3		

4. Science, Engineering and Public Policy Requirement: Choose 3 Credits Total

Course Number and Title	Credits	Semester/Year	Grade
	3		

5. Specialization Requirements: 15 Credits Total

Analytical Paper Option: 12 Credits in coursework in addition to 3 credit analytical paper

Master's Thesis Option: 9 Credits in coursework in addition to 6 credit Master's Thesis

Title of Specialization : _____

5. Specialization Requirements (Continued)

Course Number and Title	Credits	Semester/Year	Grade
	3		
	3		
	3		
Additional 3 credit listing for those selecting the Analytical Paper option			
	3		

6. Thesis or Analytical Paper Requirement

The analytical paper is prepared under the supervision of the student's faculty advisor, with the additional advice of one other faculty or professional reader. The faculty advisor and reader conduct a defense of the analytical paper and decide the final grade. The analytical paper focuses on a specific policy issue and is based on independent research by the student.

For the Master's degree with thesis, the student prepares and defends a research thesis. In this case, the student registers for six credits of Master's Thesis. The thesis is supervised by a committee of three faculty chaired by the student's faculty advisor.

Check which applies:

_____ Thesis _____ Analytical Paper

Course Number and Title	Credits	Semester/Year	Grade
ENEP 869 Master's Thesis	6		
OR:			
ENEP 872 Analytical Paper	3		

7. MEEP Analytical Paper/Thesis Title and Committee

Title: _____

Thesis (3-member) or Analytical Paper (2-member) Committee:

Chair: _____

Member: _____

Member: _____

Approval of Advisor: _____ Date: _____