

# ENVIRONMENTAL SCIENCE AND MANAGEMENT (PH.D.)

For details about this program, including program description, admission requirements, and contact information, click here (<https://www.montclair.edu/graduate/programs-of-study/environmental-management-phd/>).

## Program Requirements

Code	Title	Credits
<b>Core Courses</b>		
BIOL 570	Ecology	3
EAES 561	Environmental Law and Policy	3
EAES 700	Earth Systems Science	3
EAES 760	Organizational Environmental Management	3
<b>Required Research Courses</b>		
EAES 895	Research Project in Environmental Management I	3
EAES 896	Research Project in Environmental Management II	3
<b>Perspective Courses</b>		
<i>Methods Perspective</i>		
STAT 532	Fundamentals of Statistics	3
or STAT 595	Special Topics in Statistics	
<i>Natural Science Perspective</i>		
EAES 505	Environmental Geoscience	3
or EAES 533	Water Resource Management	
<i>Social Science Perspective</i>		
ANTH 522	Environment and Community	3-4
or EAES 792	Special Topics in Environmental Science and Management	
<i>Business Perspective</i>		
MGMT 565	Project Management	1.5
MKTG 563	Global Business Impact	1.5
<b>Research Requirements</b>		
<i>Colloquium</i>		6
EAES 790	Colloquium in Environmental Management	
<i>Required Dissertation Courses</i>		30
EAES 900	Dissertation Advisement	
After completing 30 hours of EAES 900, register for 1 hour of EAES 901 per semester, as needed.		
<b>Electives</b>		
Select 6 credits from the list below:		6
<b>Qualifying Portfolio/Exam/Assessment</b>		
Successfully complete the qualifying portfolio, examination or assessment requirement.		
<b>Admission to Candidacy</b>		
Following completion of pre-dissertation research courses and qualifying exam, you may be admitted to candidacy.		
<b>Dissertation Requirement</b>		
Complete a dissertation in accordance with Graduate School and doctoral program requirements.		
<b>Total Credits</b>		<b>72-73</b>

## Electives

Code	Title	Credits
ANTH 529	Building Sustainable Communities	3-4
BIOL 520	Plant Physiology	3
BIOL 543	Advances in Immunology	3
BIOL 547	Molecular Biology I	3
BIOL 550	Special Topics in Microbiology	3
BIOL 554	Microbial Physiology	3
BIOL 571	Physiological Plant Ecology	4
BIOL 572	Wetland Ecology	4
BIOL 573	Shoreline Ecology	4
BIOL 595	Conservation Biology: The Preservation of Biological Diversity	3
CHEM 510	Hazardous Materials Management	3
CHEM 525	Bioinorganic Chemistry	3
CHEM 534	Separation and Analysis	3
EAES 509	Current Issues in Sustainability Science	3
EAES 525	X-ray Microanalysis	3
EAES 526	Geochemistry	3
EAES 527	Organic Geochemistry	3
EAES 528	Environmental Forensics	3
EAES 529	Instrumental Environmental Analysis	3
EAES 531	Hydroclimatology	3
EAES 532	Applied Groundwater Modeling	4
EAES 535	Geophysics	3
EAES 550	Advanced Marine Geology	3
EAES 562	Waste Management	3
EAES 563	Natural Resource Management	3
EAES 565	Environmental Change and Communication	3
EAES 569	Air Resource Management	3
EAES 610	Spatial Analysis	3
EAES 660	Seminar in Environmental Management	3
EAES 710	Advanced Geographic Information Systems	3
EAES 791	Research Methods	3
EAES 792	Special Topics in Environmental Science and Management	1-4
HLTH 502	Determinants of Environmental Health	3
HLTH 565	Foundations of Epidemiology	3
MKTG 561	Strategic Marketing Management	1.5
MKTG 577	Special Topics in Marketing	1-3
SOCI 581	Health, Medicine and Social Policy	3
STAT 537	Design and Analysis of Experiments	3
STAT 538	Regression Methods	3
STAT 601	Statistical Methods for Research Workers II	3