# ENVIRONMENTAL MANAGEMENT (PH.D.)

## Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Core Courses</strong></td>
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</tr>
<tr>
<td>BIOL 570</td>
<td>Ecology</td>
<td>3</td>
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<tr>
<td>EAES 561</td>
<td>Environmental Law and Policy</td>
<td>3</td>
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<tr>
<td>EAES 700</td>
<td>Earth Systems Science</td>
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<tr>
<td>EAES 760</td>
<td>Organizational Environmental Management</td>
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<tr>
<td><strong>Required Research Courses</strong></td>
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<tr>
<td>EAES 895</td>
<td>Research Project in Environmental Management I</td>
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<tr>
<td>EAES 896</td>
<td>Research Project in Environmental Management II</td>
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<td><strong>Perspective Courses</strong></td>
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<tr>
<td><strong>Methods Perspective</strong></td>
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<tr>
<td>STAT 541</td>
<td>Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 595</td>
<td>Topics in Statistics</td>
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<tr>
<td><strong>Natural Science Perspective</strong></td>
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<tr>
<td>EAES 505</td>
<td>Environmental Geoscience</td>
<td>3</td>
</tr>
<tr>
<td>or EAES 533</td>
<td>Water Resource Management</td>
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<tr>
<td><strong>Social Science Perspective</strong></td>
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<td></td>
</tr>
<tr>
<td>ANTH 522</td>
<td>Environment and Community</td>
<td>3-4</td>
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<tr>
<td>or EAES 792</td>
<td>Special Topics</td>
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<tr>
<td><strong>Business Perspective</strong></td>
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<tr>
<td>MGMT 565</td>
<td>Project Management</td>
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<tr>
<td>MKTG 563</td>
<td>Sustainability and Corporate Responsibility</td>
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<td><strong>Research Requirements</strong></td>
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<tr>
<td><strong>Colloquium</strong></td>
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<td>EAES 790</td>
<td>Colloquium in Environmental Management</td>
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<tr>
<td><strong>Required Dissertation Courses</strong></td>
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<tr>
<td>EAES 900</td>
<td>Dissertation Advisement</td>
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<tr>
<td>After completing 30 credits of EAES 900, register for 1 credit of EAES 901 per semester as needed.</td>
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<td><strong>Electives</strong></td>
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<td>Select 6 credits from the list (see below)</td>
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<tr>
<td><strong>Qualifying Portfolio/Exam/Assessment</strong></td>
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<tr>
<td>Successfully complete the qualifying portfolio, examination or assessment requirement.</td>
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<tr>
<td><strong>Admission to Candidacy</strong></td>
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<tr>
<td>Following completion of pre-dissertation research courses and qualifying exam, you may be admitted to candidacy.</td>
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<tr>
<td><strong>Dissertation Requirement</strong></td>
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<tr>
<td>Complete a dissertation in accordance with Graduate School and doctoral program requirements.</td>
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<tr>
<td>Total Credits</td>
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## Electives

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<tr>
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<tbody>
<tr>
<td>ANTH 529</td>
<td>Building Sustainable Communities</td>
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<tr>
<td>BIOL 520</td>
<td>Plant Physiology</td>
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<tr>
<td>BIOL 543</td>
<td>Advances in Immunology</td>
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<tr>
<td>BIOL 547</td>
<td>Molecular Biology I</td>
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<td>BIOL 550</td>
<td>Topics in Microbiology</td>
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<td>BIOL 554</td>
<td>Microbial Physiology</td>
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<td>BIOL 571</td>
<td>Physiological Plant Ecology</td>
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<td>BIOL 572</td>
<td>Wetland Ecology</td>
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<td>BIOL 573</td>
<td>Shoreline Ecology</td>
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<td>CHEM 510</td>
<td>Hazardous Materials Management</td>
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<tr>
<td>CHEM 525</td>
<td>Bioinorganic Chemistry</td>
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<tr>
<td>CHEM 534</td>
<td>Separation and Analysis</td>
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<tr>
<td>CNFS 505</td>
<td>Society and the Natural Environment</td>
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<td>CNFS 510</td>
<td>Environmental Impact of Recreation on Natural Areas</td>
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<td>Field Laboratory Experience in Society and the Natural Environment</td>
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<td>EAES 509</td>
<td>Current Issues in Sustainability Science</td>
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<td>EAES 525</td>
<td>X-ray Microanalysis</td>
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<td>EAES 526</td>
<td>Geochemistry</td>
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<td>EAES 527</td>
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<td>EAES 528</td>
<td>Environmental Forensics</td>
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<td>EAES 529</td>
<td>Instrumental Environmental Analysis</td>
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<td>EAES 531</td>
<td>Hydroclimatology</td>
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<td>EAES 532</td>
<td>Applied Groundwater Modeling</td>
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<td>EAES 535</td>
<td>Geophysics</td>
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<td>EAES 550</td>
<td>Advanced Marine Geology</td>
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<td>EAES 562</td>
<td>Waste Management</td>
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<td>EAES 563</td>
<td>Natural Resource Management</td>
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<td>EAES 565</td>
<td>Environmental Change and Communication</td>
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<td>EAES 566</td>
<td>Environmental Problem Solving</td>
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<td>EAES 569</td>
<td>Air Resource Management</td>
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<td>EAES 610</td>
<td>Spatial Analysis</td>
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<td>EAES 611</td>
<td>Advanced Environmental Remote Sensing and Image Processing</td>
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<td>EAES 660</td>
<td>Seminar in Environmental Management</td>
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<td>EAES 701</td>
<td>Modeling in Environmental Science</td>
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<td>EAES 710</td>
<td>Advanced Geographic Information Systems</td>
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<td>Research Methods</td>
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<td>EAES 792</td>
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<td>HLTH 502</td>
<td>Determinants of Environmental Health</td>
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<td>HLTH 565</td>
<td>Foundations of Epidemiology</td>
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<td>MKTG 561</td>
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<tr>
<td>PHMS 565</td>
<td>Tidal Marsh Ecology</td>
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<tr>
<td>SOCI 581</td>
<td>Sociological Perspectives on Health and Medicine</td>
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<td>STAT 547</td>
<td>Design and Analysis of Experiments</td>
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<td>STAT 548</td>
<td>Applied Regression Analysis</td>
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<td>STAT 601</td>
<td>Statistical Methods for Research Workers II</td>
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<tr>
<td>BIOL 595</td>
<td>Conservation Biology; The Preservation of Biological Diversity</td>
<td>3</td>
</tr>
<tr>
<td>or CNFS 595</td>
<td>Conservation Biology; The Preservation of Biological Diversity</td>
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