

**Environmental Science Major - Biology Emphasis**  
**Sample Schedule**  
**Doane University/Duke University**  
**Master of Environmental Management (MEM) Requirements**

Courses in **bold font** satisfy the [Doane Core Connections requirements](#) including the Foundational Areas of Knowledge (FAK). Courses taken at Duke are transferred back to Doane to complete the Environmental Science degree requirements. This sample schedule may change because some courses are offered alternate year and others fall or spring only. Students work closely with their faculty advisor to arrange class schedules. To see current course offerings go to Webadvisor at [doane.edu/wa](http://doane.edu/wa) and click on Guest. Some courses are available online in the summer through Doane.

Ninety Doane credits must be completed prior to Duke enrollment. Total credits for the Doane Bachelor of Science degree in Environmental Science must equal at least 123.

**Year One**

<p><b><u>Fall Semester - 15 credits</u></b>  <b>BIO 110 - Inquiry Laboratory (3)</b>  <b>LAR 101 - Inquiry Seminar (3)</b>  DLC 271 - Orientation to College Study in America (2)  <b>ENG 100 - English Writing for International Students (3)</b>  GEO 101 - Environmental Geology (4)</p>	<p><b><u>Spring Semester- 15 Credits</u></b>  BIO 111 - Energy of Life (3)  <b>INT 101 - Global Issues (3)</b>  PSI 101 - American Politics (3)  <b>ART 107 – Two-Dimensional Design (3)</b>  <b>ECO 203 - Macroeconomics and Literacy (3)</b>,  prerequisite for the required ECO 204 Microeconomics and Business<sup>3</sup></p>
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**Year Two**

<p><b><u>Fall Semester - 15 Credits</u></b>  CHM 125 - General Chemistry I (4)  BIO 112 - Information of Life (3)  EVS 301 - Environmental Science (4)  <b>MTH 235 - Calculus I (4)<sup>1</sup></b></p>	<p><b><u>Spring Semester - 15 Credits</u></b>  CHM 126 - General Chemistry II (4)  <b>EVS/BIO/CHM 351 - Research I (2)</b>  BIO 295 - Biostatistics (3)<sup>1</sup>  EVS 392 - Environmental Policy and Sustainability(3)  <b>LAR 202 - Integrative Seminar (3)</b></p>
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**Year Three**

<p><b><u>Fall Semester - 15 or 16 Credits</u></b>  CHM 205 - Organic Chemistry I or CHM 303 Analytical Chemistry (4)  <b>EVS 495 - Environmental Science Research II (2)</b>  ECO 309 - Environmental Economics (3)  <b>LAR 303 - Impact Seminar (3)</b>  EVS 325 - Soil Systems and Sustainability or BIO 332 or 333 Ecological Zoology or Ecological Botany (3 or 4)<sup>4</sup></p>	<p><b><u>Spring Semester - 15 Credits</u></b>  Bio 348 - Microbiology (4)  <b>EVS 496 - Environmental Science Research III (2)</b>  <b>HIS 105 - History of Civilization I (3)</b>  ENG 318 - Environmental Literature (3)<sup>2</sup>  ECO 204 - Microeconomics and Business (3)<sup>3</sup></p>
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IMPORTANT:

Biology Emphasis-Environmental Science Major-Duke Cooperative College Program

<sup>1</sup> At least one semester of calculus and one semester of statistics are MEM requirements.

<sup>2</sup> HIS 320 American Environmental History may be substituted.

<sup>3</sup> Microeconomics is required for the Coastal Environmental Management, Environmental Economics and Policy, and Energy and Environment MEM concentrations. It is not required for the Ecosystem Science and Conservation concentration. However, it is required for ENVIRON 520 (Resource and Environmental Economics), a course taken by a large number of Ecosystem Science and Conservation students.

<sup>4</sup> Students applying to the Ecosystem Science and Conservation concentration must complete BIO 332 Ecological Zoology or 333 Ecological Botany. Also either one of these courses is highly recommended in the Ecotoxicology and Environmental Health concentration.

This sample schedule contains prerequisites for only the following MEM concentrations: Coastal Environmental Management, Environmental Economics and Policy, Ecosystem Science and Conservation, Energy and Environment, Ecotoxicology and Environmental Health, and Global Environmental Change.

Applications for admission to the Nicholas School of the Environment are accepted for fall enrollment only. A minimum TOEFL score of 100 is required of those whose native language is not English. Further requirements and details are available at <http://www.doane.edu/duke-university-3-2-program>.

# Environmental Science Major – Political Science and Policy Emphasis Sample Schedule

Doane University/Duke University

## Master of Environmental Management (MEM) Requirements

Courses in **bold font** satisfy the [Doane Core Connections requirements](#) including the Foundational Areas of Knowledge (FAK). Courses taken at Duke are transferred back to Doane to complete the Environmental Science degree requirements. This sample schedule may change because some courses are offered alternate year and others fall or spring only. Students work closely with their faculty advisor to arrange class schedules. To see current course offerings go to Webadvisor at [doane.edu/wa](http://doane.edu/wa) and click on Guest. Some courses are available online in the summer through Doane.

Ninety Doane credits must be completed prior to Duke enrollment. Total credits for the Doane Bachelor of Science degree in Environmental Science must equal at least 123.

### Year One

<p><b><u>Fall Semester - 15 Credits</u></b>  <b>BIO 110 - Biological Inquiry (3)</b>  <b>LAR 101 - Inquiry Seminar (3)</b>          DLC 271 - Orientation to College Study in America (2)  <b>ENG 100 - English Writing for International Students (3)</b>  <b>MTH 235 - Calculus I (4)</b><sup>1</sup></p>	<p><b><u>Spring Semester - 15 Credits</u></b>          BIO 111 - Energy of Life (3)  <b>INT 101 - Global Issues (3)</b><sup>2</sup>  <b>ART 107 – Two-Dimensional Design (3)</b>  <b>ECO 203 - Macroeconomics and Literacy (3)</b>,          prerequisite for ECO 204 Microeconomics &amp; Business<sup>3</sup>          PSI 101 - American Politics (3)</p>
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### Year Two

<p><b><u>Fall Semester - 18 Credits</u></b>          BIO 112 - Information of Life (3)          CHM 125 - General Chemistry I (4)  <b>LAR 202 - Integrative Seminar (3)</b>          EVS 301 - Environmental Science (4)          GEO 101 - Environmental Geology (4)</p>	<p><b><u>Spring Semester - 15 Credits</u></b>  <b>EVS 351 - Environmental Science Research I (2)</b>          CHM 126 - General Chemistry II (4)          BIO 295 - Biostatistics (3)<sup>1</sup>          ECO 204 - Microeconomics and Business (3)<sup>3</sup>          EVS 392 - Environmental Policy and Sustainability (3)</p>
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### Year Three

<p><b><u>Fall Semester - 14 or 15 Credits</u></b>  <b>EVS/BIO/RES 495 - Environmental Science Research II (2)</b>          ECO 309 - Environmental Economics (3)          EVS 325 - Soil Systems and Sustainability or BIO 332 or 333 Ecological Botany or Ecological Biology (3 or 4)<sup>4</sup>  <b>LAR 303 - Impact Seminar (3)</b>          PSI or INT course - (3)<sup>2</sup></p>	<p><b><u>Spring Semester - 14 Credits</u></b>  <b>EVS/BIO/RES 496 - Environmental Science Research III (2)</b>          PSI or INT course - (3)<sup>1</sup>          PSI or INT course - (3)<sup>1</sup>  <b>HIS 105 - History of Civilization I (3)</b>          ENG 318 - Environmental Literature (3)<sup>5</sup></p>
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## IMPORTANT:

### Political Science and Policy Emphasis-Environmental Science Major-Duke Cooperative College Program

<sup>1</sup> At least one semester of calculus and one semester of statistics are MEM requirements.

<sup>2</sup> Course titles labeled "PSI or INT course" include the following course choices: INT 101 Global Issues, INT/PSI 325 International Relations in the Modern Era, PSI 105 Comparative Governments, PSI 213 Political Attitudes and Behavior, 215 The Politics of the Developing World, 234 Legislative and Executive Behavior, 243 Contemporary Political Issues, 313 Political Parties and Interest Groups, 327 Globalization and Transnationalism, 328 Constitutional Law, 332 Current Legal Issues.

<sup>3</sup> Microeconomics is required for the Coastal Environmental Management, Environmental Economics and Policy, and Energy and Environment MEM concentrations. It is not required for the Ecosystem Science and Conservation concentration. However, it is required for ENVIRON 520 (Resource and Environmental Economics), a course taken by a large number of Ecosystem Science and Conservation students.

<sup>4</sup> Students applying to the Ecosystem Science and Conservation concentration must complete BIO 332 Ecological Zoology or 333 Ecological Botany. Also either one of these courses is highly recommended in the Ecotoxicology and Environmental Health concentration.

<sup>5</sup> HIS 320 American Environmental History may be substituted.

This sample schedule contains prerequisites for only the following MEM concentrations: Coastal Environmental Management, Environmental Economics and Policy, Ecosystem Science and Conservation, Energy and Environment, Ecotoxicology and Environmental Health, and Global Environmental Change.

Applications for admission to the Nicholas School of the Environment are accepted for fall enrollment only. A minimum TOEFL score of 100 is required of those whose native language is not English. Further requirements and details are available at <http://www.doane.edu/duke-university-3-2-program>.

**Environmental Studies Major  
Sample Schedule  
Doane University/Duke University  
Master of Environmental Management (MEM) Requirements**

Courses in **bold font** satisfy the [Doane Core Connections requirements](#) including the Foundational Areas of Knowledge (FAK). Classes labeled General Elective apply to the 123 credit graduation requirement. Courses taken at Duke are transferred back to Doane to complete the Environmental Studies degree requirements. This sample schedule may change because some courses are offered alternate year and others fall or spring only. Students work closely with their faculty advisor to arrange class schedules. To see current course offerings go to Webadvisor at [doane.edu/wa](http://doane.edu/wa) and click on Guest. Some courses are available online in the summer through Doane.

Ninety Doane credits must be completed prior to Duke enrollment. Total credits for the Doane Bachelor of Science degree in Environmental Studies must equal at least 123.

**Year One**

<p><b>Fall Semester - 16 Credits</b>  <b>CHM 125 General Chemistry I OR PHS 105 Principles of Physical Science (4)</b>  <b>LAR 101 – Inquiry Seminar (3)</b>          DLC 271 - Orientation to College Study in America (2)  <b>ENG 100 - English Writing for International Students (3)</b>  <b>MTH 235 - Calculus I (4)<sup>1</sup></b></p>	<p><b>Spring Semester – 16 or 17 Credits</b>          BIO 101 - Introduction to Biology (4)  <b>ART 107 – Two-Dimensional Design (3)</b>  <b>ECO 203 – Macroeconomics (3)</b> – prerequisite for the required ECO 204 Microeconomics and Business General Elective (3)          Group a, b, or c elective – at least 6 credits from each group (3 or 4)</p>
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**Year Two**

<p><b>Fall Semester – 16 or 17 Credits</b>  <b>LAR 202 - Integrative Seminar (3)</b>          EVS 301 - Environmental Science (4)          BIO 295 OR BUS 215 OR SSI 217 - complete one statistics class (3)<sup>1</sup>          General Elective (3)          Group a, b, or c elective – at least 6 credits from each group (3 or 4)</p>	<p><b>Spring Semester – 14-15 Credits</b>  <b>EVS 351 - Environmental Science Research I (2)</b>          General Elective (3)          General Elective (3)          ECO 204 - Microeconomics and Business (3)<sup>2</sup>          Group a, b, or c elective – at least 6 credits from each group (3 or 4)</p>
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**Year Three**

<p><b>Fall Semester - 14 or 16 Credits</b>  <b>EVS/BIO/RES 495 - Environmental Science Research II (2)</b>  <b>LAR 303 - Impact Seminar (3)</b>          General Elective (3)          EVS 325 - Soil Systems and Sustainability or BIO 332 or 333 Ecological Botany or Ecological Biology (3 or 4)<sup>3</sup>          Group a, b, or c elective – at least 6 credits from each group (3 or 4)</p>	<p><b>Spring Semester – 14-15 Credits</b>  <b>EVS/BIO/RES 496 - Environmental Science Research III (2)</b>  <b>HIS 105 - History of Civilization I (3)</b>  <b>INT 101 - Global Issues (3)</b>          General Elective (3)          Group a, b, or c elective – at least 6 credits from each group (3 or 4)</p>
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## IMPORTANT:

### Environmental Studies Major – Duke Cooperative College Program

<sup>1</sup> At least one semester of calculus and one semester of statistics are MEM requirements.

<sup>2</sup> ECO 204 Microeconomics and Business is required for those applying to the following MEM concentrations: Coastal Environmental Management, Environmental Economics and Policy, Energy and Environment.

<sup>3</sup> Students applying to the Ecosystem Science and Conservation concentration must complete BIO 332 Ecological Zoology or 333 Ecological Botany. Also either one of these courses is highly recommended in the Ecotoxicology and Environmental Health concentration.

This sample schedule contains prerequisites for only the following MEM concentrations: Coastal Environmental Management, Environmental Economics and Policy, Ecosystem Science and Conservation, Energy and Environment, Ecotoxicology and Environmental Health, and Global Environmental Change. Two additional semesters of chemistry and physics are recommended for students interested in the Water Resources Management concentration.

Complete GEO 101 Environmental Geology if applying to the Global Environmental Change concentration. ECO 204 Microeconomics and Business is not required for this concentration.

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