## Environmental Science 2010-2011

**Department of Earth & Environmental Science**  
326 Beury Hall  
(215) 204-7172  

**Program Director and Interim Faculty Advisor:**  
Dr. Laura Toran  
[www.temple.edu/cst/env-sci](http://www.temple.edu/cst/env-sci)

### CST Credit Requirements:
- A minimum of **123** total credits
- A minimum of **45** Upper Level (UL) within CST/CLA (College of Science & Technology/College of Liberal Arts)
- A minimum of **90** credits within CST/CLA

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### Bachelor of Science

**Recommended Sequence of Major Courses:**

- □ Calculus I: Math 1041
- □ General Chemistry I: Chem 1031
- □ General Chemistry Lab I: Chem 1033
- □ Calculus II: Math 1042
- □ General Chemistry II: Chem 1032
- □ General Chemistry Lab II: Chem 1034
- □ Physical Geology: Geology 2001
- □ Organic Chemistry I: Chem 2201
- □ Organic Chemistry Lab I: Chem 2203
- □ Environment and Society: ENV ST/GUS 1051
- □ Introduction to Biology: Bio 2112
- □ Introduction to Biology: Bio 1111
- □ Statistical Methods and Concepts: Stat 2101 or Probability and Statistics: Math 2031
- □ Hydrology: Geology 3021
- □ Environmental Studies Elective (Natural Science)*
- □ Remote Sensing/GIS: Geology 3011 or Fundamentals of Geographic Information Systems: GUS 3062
- □ Principles of Ecology: Biology 2227
- □ Microeconomic Principles: Economics 1102
- □ Make an Appointment for a Graduation Review
- □ Energy, Ecology, and Economy: Economics/Environ St. 3596
- □ Environmental Studies Elective (Natural Science)*
- □ Environmental Studies Elective (Natural Science)*
- □ Senior Research Seminar: ES 4198
- □ Environmental Studies Elective (Social Science/Policy)*
- □ Environmental Studies Elective*

**Math Placement Results:**  
Math 0701  
Math 0702  
Math 1021  
Math 1022  
Math 1041

### Notes:
- F = Fall Only  
- S = Spring Only

Students must check the pre- and co-requisites for all courses before registering.

*Three of the five ES electives must be Natural Science courses and two of the three must be from the same department. One ES elective must be a Social Science/Policy course. Please refer to the bulletin for Environmental Science Elective options at [www.temple.edu/bulletin/Academic_programs/schools_colleges/cst/programs/env_science/cst_env_sci.shtm](http://www.temple.edu/bulletin/Academic_programs/schools_colleges/cst/programs/env_science/cst_env_sci.shtm)

The Undergraduate bulletin is the official source of major requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin)
University Requirements

Appropriate University Curriculum:  Gen Ed Traditional  Gen Ed 45+  Gen Ed-to-Gen Ed

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<th>Gen Ed Traditional:</th>
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<td>□ Analytical Reading and Writing (GW)____________</td>
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<td>□ Mosaic I (GY)____________________</td>
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<td>□ Mosaic II (GZ)____________________</td>
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<td>□ U.S. Society (GU)____________________</td>
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<td>□ Human Behavior (GB)____________________</td>
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<td>□ Arts (GA)____________________</td>
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<td>□ Race and Diversity (GD)____________________</td>
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<td>□ World Society (GG)____________________</td>
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Bachelor of Arts (BA) Only
□ 2nd level of a Language _____________

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<tr>
<th>Gen Ed 45+ (45 or more transfer credits):</th>
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<tr>
<td>□ Analytical Reading and Writing (GW)____________</td>
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<td>□ Mosaic I or II (GY or GZ)____________________</td>
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Bachelor of Arts (BA) Only
□ 2nd level of a Language _____________

Gen Ed-to-Gen Ed:
Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:

Bachelor of Arts (BA) Only
□ 2nd level of a Language _____________

Gen Ed online:
www.temple.edu/gened
www.temple.edu/vpus/transfer/TransferGenEd.htm

University Core:
Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.

The Undergraduate Bulletin is the official reference for University Requirements at www.temple.edu/bulletin.

English Placement Results:
English 701/711  English 802/812  Exempt

Foreign Language Placement Results:
__________ 1001 1002 1003 Exempt

Note: Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98