PROGRAM OF STUDY

Associate in Science in Environmental Science AS-T for Transfer

Environmental Science is an interdisciplinary study that examines the role of humans on the Earth and provides students with an understanding of the application of biological, chemical, and physical sciences to problems in the environment. Environmental Science also examines how human behavior and institutions affect the global environment. Topics typically include population biology, ecosystems, biodiversity, biochemistry, the chemistry of air and water pollution as well as geological processes and hazards and natural resources.

Students gain knowledge of fundamental concepts in the life sciences, physical sciences, and interdisciplinary natural sciences that inform society about the environment in which we live. The Associate in Science in Environmental Science for Transfer (A.S.-T in Environmental Science) prepares students for transfer to a 4-year university or technical program for further study to prepare for a wide variety of careers. Environmental scientists typically use their knowledge and skills to protect the environment and human health. They may clean up polluted areas, advise policymakers, or work with government and industry to reduce waste and improve conditions. Other career possibilities are academia, environmental law, environmental consulting, and resource management.

The Associate in Science in Environmental Science for Transfer (A.S.-T in Environmental Science) is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Environmental Science or a similar major. Students completing these degrees are guaranteed admission to the CSU system, but not to a particular campus or major.

See Associate Degree for Transfer information in the Cabrillo College Catalog. The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester or 90 quarter CSU-transferable units.
- Minimum grade-point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
- Completion of a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- Earn a grade of C or better in all courses required for the major or area of emphasis, or a “P” if the course is taken on a “pass/no pass basis”
- Completion of the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

IGETC for STEM for CSU

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>GE Units</th>
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<tbody>
<tr>
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<td>31 - 33</td>
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</tbody>
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**Core Courses**

- BIO 9A Molecular, Cellular, and Animal Biology 5
- BIO 9B Ecology, Evolution, and Plant Biology 5
- CHEM 1A General Chemistry I 5

**List A - Take 7 units from below:**

- ES 10 Introduction to Environmental Science 3
- GEOL 10 Physical Geology 4
- GEOG 1 Physical Geography 3
- GEOG 1L Physical Geography Laboratory 1

**and take a Statistics course plus Calculus:**

- BUS 9 Business Statistics 3
- MATH 12 Elementary Statistics 5
- MATH 12H Honors Elementary Statistics 5
- PSYCH 2A Statistics for Behavioral Sciences 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 5A</td>
<td>Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 18</td>
<td>Business Calculus</td>
<td>4</td>
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<tr>
<td>List B: Take the two PHYS courses. ECON is optional</td>
<td>Units</td>
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<tr>
<td>PHYS 2A</td>
<td>Physics for Life Sciences I</td>
<td>4</td>
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<tr>
<td>and PHYS 2B</td>
<td>Physics for Life Sciences II</td>
<td>4</td>
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<tr>
<td>ECON 1B</td>
<td>Introduction to Microeconomics</td>
<td>3</td>
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**Total Units**: 60

PID 889