Environmental Studies

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Degree(s)
Transfer:
A.S. in Environmental Studies
(with Transfer Emphasis using General Education Requirements Option B or C)

See Also:
A.A. in Liberal Arts - Mathematics & Science Emphasis

Non-Transfer:
None

See:
A.S. in Science
A.S. in Turf & Landscape Management
A.S. in Water Technology

Certificate(s)
None

Employment Concentration Certificate(s)
None

Program Description
The Environmental Studies transfer and non-transfer programs draw on a multi-disciplinary curriculum that emphasizes the impact of human civilizations on environmental systems. The disciplines represented draw from the physical, life and social sciences as well as the humanities. Environmental science is largely issues-based and relies heavily on the critical thinking skills necessary to understand contemporary issues and propose meaningful solutions to complex problems. Successful completion of the degree requirements entails a broad scientific background, which provides a foundation for continued academic and career success.

Career Opportunities
For any BA/BS careers, please see your transfer institution.

Transfer Preparation
MSJC offers a range of course work to prepare students to transfer to four-year colleges and universities. All four-year institutions prescribe their own standards for course evaluation and admissions. Prospective transfer students are advised to research careers, degrees and majors in the Career/Transfer Center, access www.assist.org, review the MSJC catalog and meet with a counselor to expedite their transfer plan.

Learning Outcomes
• Describe the scientific method and explain how environmental science is related to the various traditional sciences of physics, chemistry, biology, geology, and anthropology.
• Analyze physical problems using the laws of physics and appropriate mathematical techniques.
• Demonstrate a knowledge and understanding of the fundamental principles governing matter and energy and their transformations via chemical reactions.
• Explore and appreciate the facts and principles concerning heredity, variation and diversity, the cell, evolution and natural selection.
• Analyze the interrelationship between humans and their physical environment.

Degree
An Associate in Science (A.S.), degree in Environmental Studies prepares students for transfer to four-year colleges offering a Bachelor of Science (BS) in Environmental Studies or related fields. The major requirements for an A.S. in Environmental Studies can be met by completing the pattern described plus all MSJC General Education Option B (CSU-GE breadth) and/or Option C (IGETC) requirements.

MSJC Core Requirements (18 units)
CHEM-101 General Chemistry I 5 units
CHEM-102 General Chemistry II 5 units
ENVS-101 Environmental Science 3 units
or
ENVS-101H Honors Environmental Science 3 units
MATH-110 Pre-Calculus (or higher) 5 units

Elective Courses (12 units)
ANTH-101 Physical Anthropology 3 units
or
ANTH-101H Honors Physical Anthropology 3 units
ANTH-102 Cultural Anthropology 3 units
or
ANTH-102H Honors Cultural Anthropology 3 units
BIOL-116 Natural History and Biodiversity of California 4 units

Note: Every effort has been made to keep program information current. Please use this information as a guide and consult with the chair of the department/program or an MSJC counselor.
In the same manner, the document continues to list a variety of courses and their respective units, followed by a section that concludes with a note emphasizing the importance of staying informed with the latest program information and consulting with academic advisors for guidance.
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