

SCIENCE, MATH & ENGINEERING PATHWAY PROGRAM MAP: CATALOG YEAR: 2023-24



Environmental Science: Associate in Science for Transfer UC

The environment on which humans depend is under unprecedented pressure to maintain the lifestyles and economies of the world's population. Sustainable solutions to global problems have never been as imperative as they are today. The environmental studies program engages students in a rewarding and multidisciplinary approach to understanding how humans impact the environment.

Please see a Pathways Counselor: Transfer degrees require a minimum of 60 semester CSU transferable units or UC semester transferable units with a minimum 2.0 GPA overall. [Contact a Counselor](#) to create an education plan customized to meet your needs.

Transfer Majors/Award Focus

- Environmental Sciences, A.S.-T CSU, UC
- Environmental Studies, A.S. CSU, UC

GE Pattern/Units

- GE Pattern: Option C
- Total Units: 66

Program maps indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

Semester 1

16 Units

	COURSE	TITLE	UNIT
<input type="checkbox"/>	ENGL-101	College Composition	4
<input type="checkbox"/>	MATH-211	Analytic Geometry and Calculus I	4
<input type="checkbox"/>	ENVS-101	Environmental Science	3
<input type="checkbox"/>	CHEM-101	General Chemistry I	5

Semester 2

15 Units

	COURSE	TITLE	UNIT
<input type="checkbox"/>	ENGL-103	Critical Thinking and Writing	3
<input type="checkbox"/>	CHEM-102	General Chemistry II	5
<input type="checkbox"/>	PS-101, or HIST-111, or HIST-112	Introduction to American Government and Politics, U.S. History to 1877, or U.S. History Since 1865	3
<input type="checkbox"/>	MATH-212	Analytic Geometry and Calculus II	4

Career Options

Environmental Compliance Inspector (B)
Nursery and Greenhouse Manager (B)
Environmental Engineer (B)
Find more careers: msjc.emsicc.com

Required Education: SM: some college; C: Certificate; A: Associate,
B: Bachelor's, M: Master's; D: Doctorate

Financial Aid

Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.


Helpful Hints

There is only one environmental science course required in the major, but there are more to come when you transfer. Maintain your momentum and your interest by getting involved with other students in the environmental club!


Summer**3 Units**

 COURSE	TITLE	UNIT
<input type="checkbox"/> MATH-140	Introduction to Statistics	3

Semester 3**15 Units**

 COURSE	TITLE	UNIT
<input type="checkbox"/> GEOL-100	Physical Geology	4
<input type="checkbox"/> BIOL-150	General Biology I	4
<input type="checkbox"/> PS 103/ETHS 103, HIST 103/ETHS 160, LIT 240/ETHS 240, LIT 240/ETHS 275, or LIT 240/ETHS 280	Ethnic Politics in America Black History in American Context American Indian Literature Latinx/Chicanx Literature or Multiethnic Literature	3
<input type="checkbox"/> PHY-201	Mechanics and Wave Motion	4

Semester 4**17 Units**

 COURSE	TITLE	UNIT
<input type="checkbox"/> SPAN-101 or FREN-101 or ASL-100	Elementary Spanish I or Elementary French I or American Sign Language I	4
<input type="checkbox"/> PHY-202	Electricity and Magnetism	4
<input type="checkbox"/> PHIL-101	Introduction to Philosophy I	3
<input type="checkbox"/> DAN-100	History and Appreciation of Dance	3
<input type="checkbox"/> COMM 100	Public Speaking	3

Notes:

Recommended: Students should take courses the summer before the Fall start of the semester.

Language Requirement: Some CSU's require the equivalency of an intermediate language proficiency for graduation. Please see a counselor for more detail regarding specific CSU major and graduation requirements.

Although not an IGETC requirement, MSJC may certify completion of the CSU graduation requirement in U.S. History, Constitution and American Ideals with PS-101/101H and HIST-111/111H or HIST-112/112H. Courses used to meet this requirement may also be used to satisfy IGETC Subject Area 4 requirements.

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](#) and earn credits.

Scheduling Notes

Science and math courses can be challenging! But you don't have to do it alone! Take advantage of tutoring services provided by the college and create study groups with your peers!