

The Associate in Science (A.S.) Degree in Environmental Science Technology prepares students for entry-level positions in the fields of assessment and safety compliance, hazardous materials, and water quality.

Students will learn environmental data collection, data analysis, and report writing through conceptual and hands-on learning. Students may also acquire skills to prevent pollution and mitigate polluted sites. Students will attain these skills in accordance with all federal and state guidelines. Program graduates will acquire the necessary skills to play a vital role in protecting our environment.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at <a href="https://fscj.edu/student-services/career-development">fscj.edu/student-services/career-development</a> .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

### Career Options

Graduates may secure entry-level positions with environmental companies; federal, state, and local governments; utilities; the military; and industry or nonprofit organizations on the local, state, national, or international level.

### Advising

[environmentalscience@fscj.edu](mailto:environmentalscience@fscj.edu)

### Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.**

A minimum grade of C or higher must be achieved in all courses used to satisfy the general education and civic literacy requirements. A list of Professional Elective Coursework options is available at the end of this document.

#### Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVR 1030: Environmental Compliance	3	Fall
<input type="checkbox"/>	MAC 1105: College Algebra or higher-level MAC prefix course	3-5	Varies
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies
<input type="checkbox"/>	EVR 1001: Introduction to Environmental Science	3	Varies

#### Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVR 1190: Environmental Sampling Procedures	3	Spring
<input type="checkbox"/>	EVR 2041: GIS Applications in Natural Resource Management	3	Spring
<input type="checkbox"/>	EVR 2613: Hazardous Materials Emergency Response II	3	Spring
<input type="checkbox"/>	EVR 2613L: Hazardous Materials Emergency Response Lab	1	Spring
<input type="checkbox"/>	EVS 2026C: Chemistry and Biology of Natural Waters	3	Spring

#### Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVR 1264: Introduction to Industrial Hygiene	3	Summer
<input type="checkbox"/>	EVR 1264L: Introduction to Industrial Hygiene Lab	1	Summer
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	STA 2023: Elementary Statistics	3	Varies
<input type="checkbox"/>	Professional Elective	3	Varies

#### Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	Varies
<input type="checkbox"/>	BSC 1005: Life in Its Biological Environment	3	Varies
<input type="checkbox"/>	CHM 1025C: Introduction to General Chemistry	4	Varies
<input type="checkbox"/>	Professional Elective	3	Varies

## Important for You to Know

This academic roadmap does not include **developmental education courses** in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include **MAT 1033: Intermediate Algebra**, which, for many students, is a prerequisite course for MAC 1105.

## Related Roadmaps

### Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Environmental Science Technician
- Hazardous Materials Specialist

## Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVR 2943: Environmental Internship	3	All
<input type="checkbox"/>	GYL 1010C: Physical Geology and Laboratory	4	Varies
<input type="checkbox"/>	PHI 2010: Philosophy in the Humanities or HUM 2020: Topics in the Humanities	3	Varies
<input type="checkbox"/>	ESC 1000: Earth and Space Science	3	Varies

## Total Program Credit Hours

The Environmental Science Technology A.S. degree program requires a **minimum of 64 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

## Professional Elective Coursework Options

Required Credit Hours: 18

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	BCN 2732: OSHA Safety	3	All
<input type="checkbox"/>	EVR 1640: Hazardous Materials Regulations I	3	Spring
<input type="checkbox"/>	EVR 1931: Selected Topics in Environmental Science	1	Summer
<input type="checkbox"/>	EVR 1933: Selected Topics in Environmental Science	3	Fall
<input type="checkbox"/>	EVR 2630: Hazardous Materials Risk Analysis	3	Fall
<input type="checkbox"/>	EVS 1040: Introduction to Water Resources	3	Summer
<input type="checkbox"/>	EVS 1193: Environmental Sampling Techniques: Water Quality	3	Fall

## Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- Apply knowledge of the principles of managing water pollution through prevention and remediation
- Sample, analyze and calculate data related to air, water and soil pollutants
- Operate and calibrate laboratory and field instruments used in quantitative and qualitative analysis of pollutants.
- Students will practice employability skills including resume writing, interviewing, and professionalism.