

# Combined Roadmap Document

## Environmental Science Technician (6022)

TECHNICAL CERTIFICATE | Revised: April 28, 2023

This document contains the following roadmap options for the Technical Certificate in Environmental Science Technician (6022): Hazmat Safety and Health Track and Water Quality Technician Track.

These sample roadmaps provide 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.

**Hazmat Safety and Health Track ..... 2**

**Water Quality Technician Track ..... 3**

The Technical Certificate (T.C.) in Environmental Science Technician prepares students in the dispensing of hazardous materials in accordance with regulations.

Students will receive hands-on training in the analysis of air, water, soil, and the contaminants that are present.

<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"/> Satisfy the technical certificate graduation requirements.

## Certification/Licensing

Students completing this certificate will also complete nationally recognized industry certifications, for example: 30HR Occupational Safety and Health Administration (30HR OSHA) General Industry certification, OSHA Confined Space Entry, and Advanced Air Monitoring.

## Articulation

This certificate articulates directly into the Environmental Science Technology (2166) (A.S.) degree. Contact an advisor to determine the career education path that is best for you.

## 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.

## Advising

(904) 713-4545 or [hcic@fscj.edu](mailto:hcic@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. **Students may complete these courses in any order.**

### Fall Term

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	EVR 1030: Environmental Compliance	3
<input type="checkbox"/>	EVR 1933: Selected Topics in Environmental Science	3
<input type="checkbox"/>	EVR 2630: Hazardous Materials Risk Analysis	3

### Spring Term

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	EVR 1190: Environmental Sampling Procedures	3
<input type="checkbox"/>	EVR 1640: Hazardous Materials Regulations I	3
<input type="checkbox"/>	EVR 2613: Hazardous Materials Emergency Response II	3
<input type="checkbox"/>	EVR 2613L: Hazardous Materials Emergency Response Lab	1

### Summer Term

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	EVR 1264: Introduction to Industrial Hygiene	3
<input type="checkbox"/>	EVR 1264L: Introduction to Industrial Hygiene Lab	1
<input type="checkbox"/>	EVR 1931: Selected Topics in Environmental Science	1

### Remaining Professional Coursework

**BCN 2732** is offered every term. View the class schedules to verify the availability of **EVR 1001**.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	EVR 1001: Introduction to Environmental Science	3
<input type="checkbox"/>	BCN 2732: OSHA Safety	3

## Total Program Credit Hours

The **Environmental Science Technician** T.C. program requires a **minimum of 30 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is not eligible** for financial aid.

The Technical Certificate (T.C.) in Environmental Science Technician prepares students in the dispensing of hazardous materials in accordance with regulations.

Students will receive hands-on training in the analysis of air, water, soil, and the contaminants that are present.

<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"/> Satisfy the technical certificate graduation requirements.

## Certification/Licensing

Students completing this certificate will also complete nationally recognized industry certifications, for example: 30HR Occupational Safety and Health Administration (30HR OSHA) General Industry certification, OSHA Confined Space Entry, and Advanced Air Monitoring.

## Articulation

This certificate articulates directly into the Environmental Science Technology (2166) (A.S.) degree. Contact an advisor to determine the career education path that is best for you.

## 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.

## Advising

(904) 713-4545 or [hcic@fscj.edu](mailto:hcic@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.

**Students may complete these courses in any order.** EVR 1264 and EVR 1264L must be taken together.

### Fall Term

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVR 1030: Environmental Compliance	3	Fall
<input type="checkbox"/>	EVS 1193: Environmental Sampling Techniques: Water Quality	3	Fall
<input type="checkbox"/>	EVR 1933: Selected Topics in Environmental Science	3	Fall
<input type="checkbox"/>	EVR 1001: Introduction to Environmental Science	3	Varies

### Spring Term

<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 1640: Hazardous Materials Regulations I	3	Spring
<input type="checkbox"/>	EVS 2026: Chemistry and Biology of Natural Waters	3	Spring
<input type="checkbox"/>	EVR 2613: Hazardous Materials Emergency Response II	3	Spring

### Summer Term

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	EVS 1040: Introduction to Water Resources	3	Summer
<input type="checkbox"/>	EVR 1264: Introduction to Industrial Hygiene	3	Summer
<input type="checkbox"/>	EVR 1264L: Introduction to Industrial Hygiene Lab	1	Summer

## Total Program Credit Hours

The **Environmental Science Technician** T.C. program requires a **minimum of 30 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is not eligible** for financial aid.

## 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.