

## About the Program

The Technical Certificate (T.C.) in Chemical Laboratory Specialist provides students with exposure to the principles of biological sciences, chemistry, and mathematics necessary for success in a scientific work environment.

This program requires a **minimum of 37 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is not eligible** for financial aid.

## Program Requirements

Students must fulfill all requirements outlined in the college catalog.

## Important for You to Know

**This academic roadmap does not include** developmental education courses in reading, writing, and/or mathematics or other prerequisite courses that you may be required to take. In addition, it does not include technical certificate graduation requirements.

Students in this certificate program **are not required** to complete math courses unless they are listed as part of the certificate program. This certificate articulates directly into the Biomedical Sciences (T300) (B.S.) degree, which includes an **Algebra Through Calculus math pathway**. This pathway is intended for students whose academic program requires a foundation of algebra, followed by a sequence of courses that may lead to calculus.

## Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/6501>.
- ⇒ **Technical Certificate Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/technical-certificates>.
- ⇒ **\*Program Requirements**: <https://catalog.fscj.edu/programs/6501>.
- ⇒ **Math Pathways Information**: <https://catalog.fscj.edu/academics/math-pathways>.

## Sample Roadmap: Biological Sciences Option

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic plan. Some courses are offered only once per year; advising is critical for course progression.

*\*See the **program requirements** for professional elective course options.*

### Term 1

Course	Credits
BSC 2085C - Human Anatomy and Physiology I	4
Professional Elective course	3-4
Professional Elective course	3-4

### Term 2

Course	Credits
BSC 2010C - Principles of Biology I	4
Professional Elective course	3-4
Professional Elective course	3-4

### Term 3

Course	Credits
BSC 2011C - Principles of Biology II	4
Professional Elective course	3-4

### Term 4

Course	Credits
BSC 2086C - Human Anatomy and Physiology II	4
Professional Elective course	3-4

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### Term 1

Course	Credits
CHM 2045C - General Chemistry and Qualitative Analysis I	4
Professional Elective course	3-4
Professional Elective course	3-4

### Term 2

Course	Credits
CHM 2046C - General Chemistry and Qualitative Analysis II	4
Professional Elective course	3-4
Professional Elective course	3-4

### Term 3

Course	Credits
CHM 2210C - Organic Chemistry I	4
Professional Elective course	3-4

### Term 4

Course	Credits
CHM 2211C - Organic Chemistry II	4
Professional Elective course	3-4