FSCJ Florida State College at Jacksonville

Biotechnology Laboratory Technology (2199)

ASSOCIATE IN SCIENCE | College Catalog Year: 2024-25

About the Program

The Associate in Science (A.S.) Degree in Biomedical Laboratory Technology prepares students for employment as laboratory technicians by clinical research and pharmaceutical drug development laboratories, or analytical laboratories or for advanced degrees in the life sciences.

This program requires a **minimum of 61 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is eligible** for financial aid.

Program Requirements

Students must follow the program application procedure and 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 program graduation requirements.

Alternative starting or completion points include: Biotechnology Specialist (Manufacturing) (T.C.) and Biotechnology Laboratory Specialist (Health Science) (T.C.).

Additional Information

⇒ **Program Information**, including advisor contact details: https://www.fscj.edu/2199.

⇒ **Associate in Science Degree Information**, including graduation requirements: https://catalog.fscj.edu/academics/degree-certificate-programs/associate-in-science-degrees.

⇒ ***Program Requirements:** https://catalog.fscj.edu/programs/2199.

⇒ **Math Pathways Information**: https://catalog.fscj.edu/academics/math-pathways.

Sample Roadmap

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 degree plan. Some courses are offered only once per year; advising is critical for course progression.

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

This program 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.

Term 1

Course	Credits
ENC 1101 - English Composition I **or** ENC 1101C - English Composition I Enhanced	3-4
General Education Mathematics course	3-5
AMH 2010 - United States History to 1877 **or** AMH 2020 - United States History from 1877 to the Present **or** POS 2041 - American Federal Government	3

Term 2

Course	Credits
CHM 1025C - Introduction to General Chemistry	4
BSC 1421C - Introduction to Biotechnology Methods	4
BSC 2010C - Principles of Biology I	4

Term 3

Course	Credits
BSC 2420C - Biotechnology Methods I	4
BSC 2427C - Biotechnology Methods II	4
MCB 2010C - Microbiology	4
STA 2023 - Elementary Statistics	3

Term 4

Course	Credits
BSC 2419C - Protein Biotechnology and Cell Culture	4
BSC 2435 - Introduction to Bioinformatics	3
CHM 2045C - General Chemistry and Qualitative Analysis I	4

Term 5

Course	Credits
BSC 1943 - Biotechnology Internship **or** BSC 1942 - Biotechnology Externship	3
CHM 2046C - General Chemistry and Qualitative Analysis II	4
HUM 2020 - Topics in the Humanities **or** PHI 2010 - Philosophy in the Humanities	3
Professional Elective course	4