

## Biotechnology Laboratory Technology Program Roadmap

Use this roadmap to guide your progress and keep you moving toward graduation.

- Avoid surprises** – Meet with your advisor each term to monitor your progress and address concerns early.
- Review course requirements** – Check course prerequisites, corequisites, and conditions before registering each term to ensure you meet all requirements and stay on track for graduation.
- Stay eligible** – Maintain your GPA and complete required courses to remain in good standing.
- Graduate on time** – Stay on schedule to avoid delays and excess credit hours that may not be covered by financial aid.

### About the Program

**Credit Hours:** 61 total credit hours. Total hours may vary based on individual academic plan. Prior to enrolling in classes, please meet with an advisor for specific guidance about your individual academic plan.

### Available Electives

**Minimum credit hours:** 4. Students planning on pursuing a bachelor's degree are encouraged to take Human Anatomy and Physiology I or other related courses with permission of the instructor.

- BSC 2020C – Human Biology, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.
- BSC 2085C – Human Anatomy and Physiology I, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.
- CHM 1032C – Principles of General Chemistry, Credit Hours: 4. Terms Offered: Fall, Spring, Summer.

### Stay on Track

Meet the associate in science degree graduation requirements:

- Complete all academic requirements for this program outlined in the Florida State College at Jacksonville catalog and curriculum.
- Earn a cumulative grade point average (GPA) of 2.0 (C) at Florida State College at Jacksonville in courses applicable to the Associate in Science degree programs, excluding developmental education courses.
- Earn an all-college cumulative grade point average of 2.0 (C) on a 4.0 scale on all courses attempted. This includes Florida State College at Jacksonville college-credit semester hours and transferred credits (excluding developmental education) in lower division courses.
- Complete at least 25 percent of the total hours required for the program in residence at Florida State College at Jacksonville. Credit by examination and credit for prior learning do not count toward this residency requirement.
- Complete the required semester hours for the degree, as including a minimum of 15 semester hours in General Education.
- Demonstrate competency in civic literacy by:
  - Completing a civic literacy course – AMH 2010, AMH 2020, or POS 2041 – with a grade of C or higher.
  - Achieving of the required standard score on a state-approved assessment.
- Earn a grade of a C or higher in each course used to satisfy the general education requirements and any other area designated as requiring a grade of C or higher.
- Satisfy all financial and other obligations to the College prior to graduation.

### More Information Online

**Program Webpage:** [fscj.edu/program?pcode=2199](https://fscj.edu/program?pcode=2199)

**Program Catalog Page:** [catalog.fscj.edu/programs/2199](https://catalog.fscj.edu/programs/2199)

### Sample Roadmap

#### Term 1: Spring, Summer or Fall

Course	Credits	Course Type	Terms Offered
ENC 1101 – English Composition I or ENC 1101C – English Composition I Enhanced	3-4	General Education	Fall, Spring, Summer
MAC 1105 – College Algebra or MAC 1105C – College Algebra Enhanced or MAC 1114 – College Trigonometry or MAC 1140 – Precalculus Algebra or MAC 1147 – Precalculus Algebra and Trigonometry or MAC 2233 – Calculus for Business and Social Sciences or MAC 2311 – Calculus With Analytic Geometry I or MAC 2312 – Calculus With Analytic Geometry II or MAC 2313 – Calculus With Analytic Geometry III or MAP 2302 – Differential Equations	3-5	General Education	Fall, Spring, Summer
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	General Education & Civic Literacy	Fall, Spring, Summer

#### Term 2: Summer, Fall or Spring

Course	Credits	Course Type	Terms Offered
CHM 1025C – Introduction to General Chemistry	4	Professional	Fall, Spring, Summer
BSC 1421C – Introduction to Biotechnology Methods	4	Professional	Fall, Spring, Summer
BSC 2010C – Principles of Biology I	4	General Education	Fall, Spring, Summer

#### Term 3: Fall

Course	Credits	Course Type	Terms Offered
BSC 2420C – Biotechnology Methods I	4	Professional	Fall
BSC 2427C – Biotechnology Methods II	4	Professional	Fall
MCB 2010C – Microbiology	4	Professional	Fall, Spring, Summer
STA 2023 – Elementary Statistics	3	Professional	Fall, Spring, Summer

#### Term 4: Spring

Course	Credits	Course Type	Terms Offered
BSC 2419C – Protein Biotechnology and Cell Culture	4	Professional	Spring
BSC 2435 – Introduction to Bioinformatics	3	Professional	Spring
CHM 2045C – General Chemistry and Qualitative Analysis I	4	Professional	Fall, Spring, Summer

#### Term 5: Summer

Course	Credits	Course Type	Terms Offered
BSC 1943 – Biotechnology Internship or BSC 1942 – Biotechnology Externship	3	Professional	Summer
CHM 2046C – General Chemistry and Qualitative Analysis II	4	Professional	Fall, Spring, Summer
HUM 2020 – Topics in the Humanities or PHI 2010 – Philosophy in the Humanities	3	General Education	Fall, Spring, Summer
Professional Elective course	4	Professional Elective	Fall, Spring, Summer