

Biological Sciences Career Readiness Map

First Years (First -Sophomore Years)

- Learn from guest lectures in BIOL 101
- Plan your major with the [BIOL Worksheet](#)
- Complete BIOL 210, 211, 215 (Intro Biology sequence)
- Complete General Chemistry I (CHEM 150/L)
- Begin Math (MATH 150), Physics (PHYS 101/102 or 205/206), and General Chemistry II (CHEM 160) coursework
- Develop foundational lab and scientific literacy skills through these courses

Middle Years (Sophomore -Junior Years)

- Take upper division core courses: BIOL 351/352/353/354
- Complete Experimental Design or research-focused coursework (core lab classes with Course-base Undergraduate Research Modules)
- Select a Degree [Concentration](#)
- Begin upper-division electives aligned with interests
- Develop skills in core and elective lab classes: data analysis, experimental design, scientific writing

Last Years (Junior-Senior Years)

- Complete advanced upper-division electives in chosen focus area
- [Conduct internship \(BIOL 395/495\)](#), thesis, or independent research (see major worksheet)
- Present scientific research (poster/oral) through course-guided opportunities
- Serve as Teaching Assistant (BIOL 496A/B, if available) – inquire with faculty advisors
- Refine specialization for career or graduate pathway through the above experiences

For further access, planning, and description of resources, please attend [Biology Faculty](#) office hours for academic/career advising

- Create a LinkedIn Profile, Handshake Profile, resume, and elevator pitch.
- Check the [CSTEM Career Readiness & Exploration](#) Teams Channel weekly
- Join a [student organization](#) that aligns with your major/career pathway.
- Attend [CSTEM](#) and [Career Center](#) workshops and career fairs
- [Explore career paths \(research, healthcare, environment, biotech\)](#)
- Attend any [Biology faculty](#) office hours for academic and career advising.
- Build network and [find a mentor](#).

- Apply for internships ([Handshake](#), [Career Center](#), [CSTEM Summer Scholars](#), [Summer Research Programs](#), [REUs](#))
- Attend networking events, seminars, and guest lectures
- [Further build professional skills: resume updates, interviewing, networking](#)
- Take on leadership roles in student organizations
- Participate in fieldwork, lab research (BIOL 489/499, [CTREE Programs](#)), or clinical observation based on career interests

- Complete [internship](#), research, or field experience
- Apply for [jobs](#) or graduate programs
- Attend [CSTEM](#) and [Career Center](#) workshops and career fairs
- Present research at [internal](#) or external symposiums or conferences
- Finalize professional materials (resume, personal statement, references) – via [faculty advisors](#) or [Career Center Resources](#).
- Participate in mock interviews and salary negotiation workshops
- [Get professional headshots](#) through Career Center

Curricular activities
(Inside the classroom)

Co-curricular activities
(Outside the classroom)