PATHWAYS Microbial, Cellular & Molecular Biology
Cell & Molecular Biology Option

Bachelor of Science in Microbial, Cellular & Molecular Biology

COURSE SELECTION

FRESHMAN
• Gateway courses: BIOL 1020/1021, BIOL 1030/1031, CHEM 1030/1031, CHEM 1040/1041

SOPHOMORE
• Complete core requirements and foundation science courses
• Gateway Courses: BIOL 3000, 3200; CHEM 2070/2071, 2080/2081

JUNIOR
• Consult with your faculty advisor to plan your curriculum to be sure courses are offered during the semester you want to take them
• Gateway Courses: BIOL 4100 and 4101
• In preparation for graduation next year, get a Credit Check with your COSAM academic advisor

SENIOR
• Consult with your faculty advisor to select electives that best fit your career or graduate school goals
• BIOL 4950: Senior Seminar should be taken during your senior year

ASK FOR ASSISTANCE
• Meet with your academic advisor to familiarize yourself with courses and prerequisites
• Academic Support provides several FREE resources to improve performance including Study Partners, Supplemental Instruction and academic coaching (auburn.edu/academicsupport)

GAIN EXPERIENCE
• Meet with your faculty advisor to discuss graduate school options and the application process, and/or meet with someone in the University Career Center (UCC) to explore career options
• Begin studying for the Graduate Record Exam (GRE) if you are planning for graduate school.
• Complete core requirements and foundation science courses
• Gateway Courses: BIOL 3000, 3200; CHEM 2070/2071, 2080/2081
• Consult with your faculty advisor to plan your curriculum to be sure courses are offered during the semester you want to take them
• Gateway Courses: BIOL 4100 and 4101
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GET INVOLVED
• Join the Microbiology Club
• If interested in a Health Career, explore Alpha Epsilon Delta (www.auburn.edu/aed)
• Utilize AUInvolve (auburn.edu/auinvolve) to identify organizations of interest to attend meetings and enhance your resume.
• Credit for internships can be earned via BIOL 4920 (Internship in Biology)
• Begin/continue an undergraduate research project (auburn.edu/undgres)
• Consider being an Undergraduate Teaching Assistant (UTA) for a biology course, if you are considering graduate school.
• Attend AU Career Fair and Engineering & Technology Career Fair
• Attend professional scientific meetings
• Complete an undergraduate research project

Career Planning
University Career Center
303 Mary Martin Hall | career.auburn.edu

This program prepares students for entrance into a variety of fields. It is especially suited for those with interest in genetic materials (DNA, RNA, etc.) and those interested in pursuing professional or graduate education. Students in this field should maintain strong performance academically and experientially.

Medical Researcher
Minimum Education: M.D. & Ph.D.
Entry Level Salary Range: $106.3K - $176.1K

Physician
Minimum Education: M.D./D.O.
Entry Level Salary Range: $106.3K - $176.1K

University Professor
Minimum Education: Ph.D.
Entry Level Salary Range: $39.5K - $74.5K

These are just three options out of many that microbial, cellular & molecular biology majors pursue. For more career options be sure to check out “What Can I Do With a Major In...” on auburn.edu/career.