PATHWAYS                                Microbial, Cellular & Molecular Biology
Pre-Veterinary Option
Bachelor of Science in Microbial, Cellular & Molecular Biology

FRESHMAN
- Gateway courses: BIOL 1020/1021, BIOL 1030/1031, CHEM 1030/1031, CHEM 1040/1041
- Finish core requirements and foundation science courses
- Gateway Courses: BIOL 3000, 3200; CHEM 2070/2071, 2080/2081
- Consult with your faculty advisor to select electives that best fit your career or graduate school goals and plan your curriculum to be sure courses are offered during the semester you plan to take them. Long range schedules are on the COSAM website.
- Gateway Courses: BIOL 4100, ANSC 3400
- BIOL 4950: Senior Seminar should be taken during your junior year if you are admitted to Vet School before your senior year

SOPHOMORE
- 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)
- Meet with your faculty advisor to discuss veterinary school and graduate school options and the application process, and/or meet with someone in the University Career Center (UCC) to explore career options
- Begin to think about possible faculty and other professionals to write letters of recommendation for you.
- Work with the UCC to update your curriculum vitae (CV)
- Complete VCMA by September 15. Request letters and participate in practice interviews.
- If you are applying to graduate school, you’ll also need letters.

JUNIOR
- Seek opportunities to volunteer in a veterinary clinic of a faculty research lab
- Begin shadowing in a vet office or animal shelter. Vet schools want approximately 400 hours of contact with animals for a successful application.
- Use Handshake to explore employers actively hiring in your field and search part-time jobs that can add experience to your resume
- Auburn University provides many opportunities for gaining experience in the veterinary field, including the Southeastern Raptor Center, clinical practices at the vet school, and faculty research.
- Investigate internship opportunities, especially during the summers of Sophomore and Junior years
- Begin an undergraduate research project (auburn.edu/undgres)
- Credit for internships can be earned via BIOL 4920 (Internship in Biology)
- Begin an undergraduate research project (auburn.edu/undgres)
- Continue shadowing.

SENIOR
- Attend AU Career Fair and Engineering & Technology Career Fair
- Investigate internship opportunities, including Study Partners, Supplemental Instruction and academic coaching (auburn.edu/academicsupport)
- Meet with your faculty advisor to discuss veterinary school and graduate school options and the application process, and/or meet with someone in the University Career Center (UCC) to explore career options
- Attend AU Career Fair and Engineering & Technology Career Fair
- Investigate internship opportunities, especially during the summers of Sophomore and Junior years
- Begin an undergraduate research project (auburn.edu/undgres)
- Continue shadowing.

GET INVOLVED
- The Pre-Veterinary Medical Association helps members learn expectations for pre-veterinary and veterinary education.
- Join the Auburn University Department of Biological Sciences Facebook page for information on department activities.
- Explore the various clubs such as the Microbiology Club, the Society for Conservation Biology Club and the Beta Beta Honor Society that focus on topics relevant to veterinary medicine.
- Pursue leadership roles in student organizations in which you participate.
- Become an Undergraduate Teaching Assistant.
- Join a professional society, such as American Society for Microbiology.
- Attend a professional conference.
- Continue to pursue leadership roles in student organizations in which you participate.
- Attend professional scientific meetings.
- If you meet the requirements, consider joining Beta Beta, the National Biological Honor Society.

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 veterinary medicine and those interested in pursuing other 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

Clinical Microbiologist
Minimum Education: B.S.
Entry Level Salary Range: $35.4K - $49.3K

Veterinarian
Minimum Education: D.V.M.
Entry Level Salary Range: $43.7K - $68.4K

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.