Department of Biological Sciences - Microbiology

	FIRST YEAR	MIDDLE YEARS	LAST YEAR
A ACADEMIC MASTERY	• Begin Major coursework by enrolling in introductory Biology and Chemistry courses (BIO 124/125, BIO 208, CHEM 110/111, and CHEM 112/113) • Review academic requirements with academic advisor • Attend a Science Lab session at the Student Success Center • Sign up online on TutorTrac for course tutor if needed • Attend supplemental instruction sessions • Map out full degree course plan	• Meet with an advisor to check progress to degree • Participate in research and learn important laboratory skills • Apply for summer research programs like TOPPER-SURE and internships • Enroll in Kaplan Test Prep course (BIO413) if standardized testing is required for further education program • Sign up for appropriate standardized professional or graduate school admissions exams (DAT, MCAT, GRE) • Apply to become a peer mentor and/or tutor	• Enroll in 400-level Biology course electives for advanced specialization • Work with an advisor to ensure you have no outstanding course requirements • Talk with faculty on your capstone committee about proposed topics and writing and presenting strategies • Complete your senior capstone • Apply to graduate
S SELF-DISCOVERY & STRENGTHS	• Strength's exploration and assessment • Major and career exploration workshops • Reflection assignments – personal mission/goals, professional mission/goals, exploration	• Attend career skill workshops • Attend WLU Career and Graduate School Fair, explore graduate education • Apply for/attend Study Abroad	• Professionally focused experiential learning /internships • Explore job search process for selected field • Initiate job search
PI PROFESSIONAL PREPARATION **INTEGRATIVE & EXPERIENTIAL LEARNING**	• Attend CV Workshop held by Biology Club • Create CV/Linked In profile • Attend study abroad info sessions • Meet with biology faculty to learn about internships and on-campus research opportunities • Consider applying for a federal work-study job on campus	• Meet with visiting professional school admissions representatives on-campus • Gather information about professional program application requirements • Complete shadowing hours with health professionals • Ask faculty for letters of recommendation • Attend a regional professional meeting and practice networking skills	• Present at a regional or national professional meeting and participate in featured workshops and networking opportunities • Apply for full-time jobs, graduate programs, or fellowships. • Participate in on-campus recruiting and employer interviews.
RE RELATIONSHIPS & LEADERSHIP **ENGAGEMENT & WELL-BEING**	• Join one science-related student organization such as Biology Club, Sustainability Club, and American Medical Student Association • Attend campus events to build peer and faculty connections • Participate in Topper Fest or first-year leadership programs • Learn about wellness, counseling, and support resources	• Hold a leadership role in a student organization. • Serve as a peer mentor, tutor, or orientation leader. • Participate in alumni networking or mentorship programs. • Balance academic, work, and extracurricular responsibilities. • Utilize wellness resources to maintain mental and physical health.	• Mentor younger students within the major or organization. • Serve on student advisory boards or institutional committees. • Schedule mock interviews for professional school or graduate school • Update your CV to best communicate your education and experiences to future educators and employers

GRADUATE/PROFESSIONAL PROGRAMS
- MEDICAL SCHOOL
- PA SCHOOL
- MA/MS/ PHD PROGRAM
- VETERINARY SCHOOL
- PHARMACY SCHOOL

INDUSTRY SECTORS
- EDUCATIONAL INSTITUTES
- GOVERNMENT
- HEALTHCARE
- PHARMACEUTICALS
- BIOTECHNOLOGY

CAREER OPPORTUNITIES
- VETERINARIAN
- PHYSICIAN (MD/DO)
- PHYSICIAN'S ASSISTANT (PA)
- DENTIST
- PHARMACIST
- RESEARCH TECHNICIAN/SCIENTIST
- PUBLIC HEALTH ADVISOR
- EDUCATOR