



DEPARTMENT OF  
**INTEGRATIVE BIOLOGY**  
College of Arts and Sciences

## Make a difference with a degree in Biology – Premedical Science

**DISCOVER** the organization, function, and evolution of life  
**BUILD** a foundation for understanding health and disease  
**GAIN KNOWLEDGE** and skills to thrive in professional school



	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR+
Your Courses	Build a foundation with introductory biology, chemistry, & math classes: <b>BIOL 1113, 1111 &amp; 1604, CHEM 1314, &amp; MATH 1813. Consider UNIV 2511/2611.</b>	Strengthen science knowledge with classes in microbiology, physics, & organic chemistry: <b>MICR 2123/2132, PHYS 1114/1214, &amp; CHEM 3053/3153/3112.</b>	Study upper division courses for professional program preparation, examples: <b>BIOC 3653, BIOL 3023, 3204, 4215 (PHSL-Spring only), UNIV 3511.</b>	Finish remaining major requirements and other health-related courses: <b>BIOL 3214, 4133, 4223 (PHSL-Fall only), 4253, MICR 3033, 3253, 4423.</b>
Your Experience	Get to know faculty & teaching assistants to connect with the department. <b>Talk to your advisor &amp; learn about Study Abroad options.</b>	Reach out to faculty to find opportunities to research or volunteer. <b>Consider independent research, internships, or shadowing opportunities.</b>	<b>Begin professional school application</b> , prepare for the MCAT/DAT, request recommendation letters, & continue to gain experience in the field.	Gain valuable experience through work and volunteer opportunities & prepare for professional school interviews.
Your Community	Join clubs & organizations with connections to your career expectations.	Attend departmental seminars to connect more fully with faculty and staff. <b>Ask faculty about the Research Symposium to present your work.</b>	Look for opportunities to mentor students as a <b>CAS ambassador, First Year Success/STEM Academy Peer Mentor, or LASSO tutor.</b>	Consider volunteer opportunities outside the university. <b>Meet with Campus Life &amp; the Student Volunteer Center to connect to the Stillwater community.</b>
Your Career Readiness	<b>Explore job opportunities</b> , qualifications, & projected job growth within your career choice.. Visit the Pre-Professional Office.	<b>Look for complementary minors</b> to boost skills & knowledge in your career field. Search professional school information for prerequisite requirements.	<b>Meet with Career Services</b> to prepare for medical school interviews. Continue gaining experiences in medicine outside of the university.	Explore job opportunities to <b>take advantage of a gap year.</b>
Your Personalized Path	Consider a second major like Microbiology or minor like Neuroscience. Conduct research with faculty across departments.			

### YOU WILL LEARN

To understand and connect diverse scientific information and be a well-rounded thinker. To work in hands-on laboratory environments. About subjects impactful to medicine such as anatomy, physiology, developmental biology, and disease evolution.

### WHAT IS NEXT

Enter healthcare professional schools such as medical, physician assistant, dental, and pharmacy programs.

Consider graduate school or MD/PhD programs to pursue a career in biomedical research.

Learn more about building your custom path, visit:  
[integrativebiology.okstate.edu](http://integrativebiology.okstate.edu)

