



DEPARTMENT OF
INTEGRATIVE BIOLOGY
College of Arts and Sciences

Make a difference with a degree in Physiology – 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: BIOL 1113, 1111 & 1604, CHEM 1314, & MATH 1813. Consider UNIV 2511/2611.	Strengthen science knowledge with classes in microbiology, physics, & organic chemistry: MICR 2123/2132, PHYS 1114/1214, & CHEM 3053/3153/3112.	Study upper division courses for professional program preparation, examples: BIOC 3653, BIOL 3023, 3204, 4215 (PHSL-Spring only), UNIV 3511.	Finish remaining major requirements and other health-related courses: BIOL 3214, 4133, 4223 (PHSL-Fall only), 4253, MICR 3033, 3253, 4423.
Your Experience	Get to know faculty & teaching assistants to connect with the department. Talk to your advisor & learn about Study Abroad options.	Reach out to faculty to find opportunities to research or volunteer. Consider independent research, internships, or shadowing opportunities.	Begin professional school application , 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. Ask faculty about the Research Symposium to present your work.	Look for opportunities to mentor students as a CAS ambassador, First Year Success/STEM Academy Peer Mentor, or LASSO tutor.	Consider volunteer opportunities outside the university. Meet with Campus Life & the Student Volunteer Center to connect to the Stillwater community.
Your Career Readiness	Explore job opportunities , qualifications, & projected job growth within your career choice.. Visit the Pre-Professional Office.	Look for complementary minors to boost skills & knowledge in your career field. Search professional school information for prerequisite requirements.	Meet with Career Services to prepare for medical school interviews. Continue gaining experiences in medicine outside of the university.	Explore job opportunities to take advantage of a gap year.
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

