



DEPARTMENT OF  
**MICROBIOLOGY**  
College of Arts and Sciences

# You'll be instrumental in shaping the future with a degree in Microbiology: Pre-Medical Professional

**EXPLORE** and **RESEARCH** in Biomedical Sciences

**BECOME** a doctor, dentist, researcher, or more!

**FUEL** discovery in cellular structures & molecular processes



	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR+
Your Courses	Develop as a scientist with <b>MICR 1211</b> and biology, math, chemistry, and general education electives.	Understand microbes and cellular processes with <b>MICR 2123, MICR 2132, MICR 3033, BIOL 3204</b> , and progress in chemistry.	Learn technology and immunology with <b>MICR 4012 and MICR 3253</b> and explore genetics, biochemistry.	Acquire training in clinical laboratories with <b>MICR 4117, MICR 4125, MICR 4236 and MICR 4246</b> .
Your Experience	<b>Meet the faculty</b> and explore research programs for the possibility of independent research opportunities.	Join a research program through an independent study course ( <b>MICR 4990</b> ).	<b>Present research</b> at the OSU undergraduate research symposium or other opportunity! Apply for internships with OCCLSA for 4th year training.	<b>Complete Medical Laboratory Science training</b> at hospitals. Apply for positions in hospitals and other facilities.
Your Community	<b>Meet your peers</b> and faculty at departmental receptions and explore different areas of research in the department.	Join the <b>Micro Club</b> and get involved with other departmental activities.	<b>Work with graduate students</b> in research opportunities.	Visit with academic advisor about applying for <b>Medical Laboratory Science positions</b> in hospitals.
Your Career Readiness	<b>Visit with your academic advisor</b> and faculty about career options.	Consider career ambitions and begin applying for research scholarships ( <b>Niblack, Wentz, Beckman</b> ).	Continue gaining research experiences. Apply for <b>OCCLSA internships</b> .	Apply for <b>Medical Laboratory Science positions</b> .
Your Personalized Path	Consider a research certificate or a second major or minor in biochemistry, biology, chemistry, or psychology.			

## YOU WILL LEARN

The exciting world of microbes and cellular processes and current areas of biomedical research. How to use scientific methods and current technology. How to collect, analyze, and interpret data. How to perform diagnostic tests in a hospital.

## WHAT IS NEXT

**Apply your technical training and skills as a Medical Laboratory Scientist** in hospitals and other organizations that perform medical diagnostic tests.

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

