### FIRST YEAR
- **Courses**
  - Develop as a scientist with MICR 1211 and biology, math, chemistry, and general education electives.
- **Experience**
  - Meet the faculty and explore research programs for the possibility of independent research opportunities.
- **Community**
  - Meet your peers and faculty at departmental receptions and explore different areas of research in the department.
- **Career Readiness**
  - Visit with your academic advisor and faculty about career options.

### SECOND YEAR
- **Courses**
  - Understand microbes and cellular processes with MICR 2123, MICR 2132, MICR 3033, BIOL 3204, and progress in chemistry.
- **Experience**
  - Join a research program through an independent study course (MICR 4990).
- **Community**
  - Join the Micro Club and get involved with other departmental activities.
- **Career Readiness**
  - Consider career ambitions and begin applying for research scholarships (Niblack, Wentz, Beckman).

### THIRD YEAR
- **Courses**
  - Learn technology and immunology with MICR 4012 and MICR 3253 and explore genetics, biochemistry.
- **Experience**
  - Present research at the OSU undergraduate research symposium or other opportunity! Apply for internships with OCCLSA for 4th year training.
- **Community**
  - Work with graduate students in research opportunities.
- **Career Readiness**
  - Continue gaining research experiences. Apply for OCCLSA internships.

### FOURTH YEAR+
- **Courses**
  - Acquire training in clinical laboratories with MICR 4117, MICR 4125, MICR 4236 and MICR 4246.
- **Experience**
  - Complete Medical Laboratory Science training at hospitals. Apply for positions in hospitals and other facilities.
- **Community**
  - Visit with academic advisor about applying for Medical Laboratory Science positions in hospitals.
- **Career Readiness**
  - Apply for Medical Laboratory Science positions.

### 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.

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**Learn more about building your custom path, visit:**

[Microbiology.okstate.edu](microbiology.okstate.edu)