MICROBIOLOGY B.S.

All students must meet the University Requirements.

All students must meet the College Requirements.

Students who choose the microbiology major usually will have a concentration in clinical, applied or general microbiology. Microbiology majors must fulfill the basic distribution requirements for a Bachelor of Science (B.S.) degree from the College of Agriculture and Life Sciences. Microbiology majors also take a core set of courses, totaling 65 credits, including: First-year Colloquium, Senior Seminar, Microbiology and Infectious Diseases, Recombinant DNA Lab, Molecular Cell Biology, general biology, biochemistry, genetics, general and organic chemistry, calculus, and statistics. In addition microbiology majors take Prokaryotic Molecular Genetics and a minimum of fifteen credits from an array of upper-level microbiology courses, including Clinical Microbiology, Immunology, Mammalian Cell Culture, Eukaryotic Virology, Bioinformatics, internships, and undergraduate research. These courses meet the prerequisites for applying to medical school or to graduate school to do life sciences or biomedical research.