MOLECULAR GENETICS B.S.

All students must meet the University Requirements.

All students must meet the College Requirements.

Students who choose the molecular genetics major must also fulfill the basic distribution requirements for a Bachelor of Science (B.S.) degree from the College of Agriculture and Life Sciences and 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, molecular genetics majors take Genetics and Genomics and a minimum of fifteen credits from an array of upper-level molecular genetics courses, including Molecular Cloning, Eukaryotic Genetics, Bioinformatics, Eukaryotic Virology, Protein-DNA Interactions, 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.