

## GENETICS

CREDITS 13-14

### INTRODUCTION

The Genetics Minor will offer students a strong background in a science, which is an integral part of biological and health-focused fields. Completion of the minor will equip graduates with a skillset that will enhance their professional practice. Future practitioners will gain the ability to recognize “red flags” in a family history that may indicate a future illness or explain present symptoms. In the lab, personnel will have had hands-on experience with diagnostic and investigative tools used currently in research, clinical, and forensics fields worldwide. Prerequisite: minimum grade of “C-” (1.67) in Biology II and BIOL 104L, Biology II Lab (BIOL 104/104L).

### COURSES

#### **Required**

BIOL 207	Principles of Genetics
BIOL 207L	Principles of Genetics Lab
BIOL 256	Molecular Genetics
BIOL 256L	Molecular Genetics Lab
BIOL 302	Medical Genetics
BIOL 307	Developmental Genetics
BIOL 402	Genetics Seminar (required 4th course)

Students taking BIOL-207/207L as part of the major curriculum will need to choose BIOL 256/256L, BIOL 302, BIOL 307, and BIOL 402. Students who do not have a requirement to complete BIOL 207/207L as part of their major will need to complete this course to satisfy prerequisite requirements for BIOL 402 (and BIOL 302 if this course is elected). Students then take two of the remaining courses from among BIOL 256/256L, BIOL 302, and BIOL 307.

### LINK TO MINOR FORM:

<http://www.eastfalls.jefferson.edu/successcenter/inc/pdf/advising/DeclaringaMinor.pdf>