

## **CELL AND MOLECULAR BIOLOGY**

The Cell and Molecular Biology courses listed will provide students with a focus on cell biology and molecular biology, with links to biomedical applications.

### Foundation Courses (these courses should be taken)

BIOL 355: Evolution

BIOL 330: Study Design & Data Analysis (L)

BIOL 360: Cell Biology

### Supporting Courses (take as many as possible)

BIOL 309: Developmental Biology (L)

BIOL 361: Molecular Genetics and Genomics

BIOL 362: Techniques in Molecular Biology (L)

BIOL 401A: Biotechnology

BIOL 435 Molecular Evolution

### Other Relevant Courses

BIOL 326: Development and Genetics of Model Plants (L) (offered in alternate years)

BIOL 404: Sensory Biology

BIOL 432: Molecular Endocrinology

BIOL 436: Human Molecular Genetics

BIOL 439: Molecular Epidemiology

BIOL 458: Plant Biochemistry and Biochemical Ecology

BIOL 459: Human Microbial Diseases (offered in alternate years)

BIOL 465: Molecular Basis of Cancer

BIOL 467: Neural Development

BIOL 470 Advanced Topics - Intro to Clinical Cancer

### Relevant Courses Outside Biology

BIOC 300A: General Biochemistry I

BIOC 300B: General Biochemistry II

BIOC 403: Biochemistry of Signal Transduction

(L) = lab; (T) = tutorial