Graduate Minor in Genetics

1) Selecting a Genetics minor advisor: A faculty member whose primary affiliation is with the Department of Biology, and who has expertise in Genetics, must join the student's Advisory Committee and must participate in designating required course work. This minor advisor will determine whether courses meet the minor requirement in accordance with the rules set out in the program.

(2) Number of credits: A Genetics minor requires a minimum of 6 credits of graduate courses. The Genetics minor may be fulfilled from any of the courses listed on page 2. A course may not simultaneously satisfy both major and minor course requirements. Course offerings outside of the list below can be used to satisfy the Genetics minor only if prior approval is obtained from the minor advisor, the GCDB Graduate Program Director, and the Graduate School.

(3) Grades: An overall average of B (3.0) or better is required in a course to be counted towards the Genetics minor.

(4) Transferring in credit for the Genetics minor: A student may apply courses taken for a MS degree at another university if the transfer is approved by the student’s advisory committee, the minor advisor, the GCDB program director, and the Graduate School.
Course Listings for Genetics Minor

- BIOL-L 533 Evolution of Genes and Genomes (3cr)
- BIOL-L 567 Evolution (3cr)
- BIOL-L 585 Genetics and Bioinformatics (3cr)
- BIOL-L 586 Cell Biology (3cr)
- BIOL-L 587 Developmental Biology (3cr)
- BIOL-Z 620 BioInformatics-2-Go (1.5 cr)
- BIOL-Z 620 Evolution of Proteins and Cells (3cr)
- BIOL-Z 620 Introduction to Computational Data Processing in Biology (1.5cr)
- BIOL-Z 620 Introduction to Computational Workflow Design in Biology (1.5cr)
- BIOL-Z 620 CyberInfrastructure-enabled Computational Genome Science (3cr)
- BIOL-Z 620 Phylogenetics (3cr)
- BIOL-Z 620 Evolution (3cr)
- BIOL-Z 620 Introduction to Genomics and BioInformatics (1.5cr)
- BIOL-Z 620 Genetics of Behavior (1.5cr)
- BIOL-Z 620 Microbial Genetics and Techniques (1.5cr)
- BIOL-Z 620 Chromosome and Genome Biology Journal Class
- BIOL-Z 620 Cell Biology Journal Class
- BIOL-Z 620 Methods in Epigenomics
- BIOL-Z 620 The Legacy of *Drosophila* (3cr)
- BIOL-Z 620 Z620 Digital Imaging and Light Microscopy (1.5cr)
- PSY-P 550 Physiology of Cancer Journal Class
- BIOL-Z 620 Z620 The Legacy of *Drosophila* (3cr)
- BIOL-Z 620 Z620 Digital Imaging and Light Microscopy (1.5cr)
- PSY-P 467 Diseases of the Nervous System (3cr)
- PSY-P 526 Neurobiology of Learning and Memory (3cr)
- PSY-P 566 Molecular and Cellular Neurobiology (3cr)
- BIOL-M 511 Molecular Biology of Prokaryotes (3cr)
- BIOL-M 541 Bacterial Pathogenesis and Virology (3cr)
- BIOL-M 585 Microbial Genetics and Virology (3 cr)
- MSCI-M 580 Molecular Biology of Cancer (3cr)
- BIOC-B 680 Molecular Mechanisms of Cancer (1.5 cr)
- INFO-I 519 Introduction to Bioinformatics (3cr)
- INFO-I 590 SNP Discovery and Population Genetics (3cr)

1 GCDB students cannot use these courses for the Genetics minor due to overlap with major degree requirements.

2 The same journal class cannot be taken twice to fulfill the major and minor. However, different journal classes can be taken for the major and minor.