Graduate Minor in Genetics

1) Selecting a Genetics minor advisor: A faculty member whose primary affiliation is with the Genome, Cell and Developmental Biology program (http://www.bio.indiana.edu/graduate/gcdb/faculty.php) 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.

(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. However, such substitutions require approval of the minor advisor and the GCDB Graduate Program Director.

(3) Grades: An overall average of B (3.0) or better is required in the Genetics minor coursework.

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

L533  Evolution of Genes and Genomes (3cr)
L567  Evolution (3cr)
L585  Molecular Genetics (3cr)
L586  Cell Biology (3cr)\(^2\)
L587  Developmental Biology (3cr)\(^2\)
Z620  BioInformatics-2-Go (1.5 cr)\(^2\)
Z620  Evolution of Proteins and Cells (3cr)
Z620  Introduction to Computational Data Processing in Biology (1.5cr)
Z620  Introduction to Computational Workflow Design in Biology (1.5cr)
Z620  CyberInfrastructure-enabled Computational Genome Science (3cr)
Z620  Phylogenetics (3cr)
Z620  Evolution (3cr)
Z620  Introduction to Genomics and BioInformatics (1.5cr)
Z620  Genetics of Behavior (1.5cr)
Z620  Chromosome and Genome Biology Journal Class\(^3\)
Z620  Cell Biology Journal Class\(^3\)
P550  Physiology of Cancer Journal Class\(^3\)
Z620  Methods in Epigenomics
Z620  The Legacy of *Drosophila*: Contributions to a fundamental understanding of genes, chromosomes, and genetics (3cr)
Z620  Digital Imaging and Light Microscopy
I590  SNP Discovery and Population Genetics (3cr)
P467  Diseases of the Nervous System (3cr)
P526  Neurobiology of Learning and Memory (3cr)
P566  Molecular and Cellular Neurobiology (3cr)
M580  Molecular Biology of Cancer (3cr)
M511  Molecular Biology of Prokaryotes (3cr)
M541  Bacterial Pathogenesis and Virology (3cr)

\(^1\) Or an equivalent course at IU or graduate work transferred from another university with approval of the GCDB Graduate Program Director

\(^2\) GCDB students cannot use these courses for the Genetics minor due to overlap with major degree requirements.

\(^3\) 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.