

## COMMITTEE ON GENETICS: SUGGESTED STUDENT TRACKS

	AUTUMN QUARTER		WINTER QUARTER		SPRING QUARTER	
		Course #		Course #		Course #
<b>MODEL SYSTEMS</b>	<b>Genetic Analysis of Model Organisms</b> <i>Molecular Evolution</i> Cell Biology I Advanced Developmental Biology Human Genetics I Nucleic Acid Structure	<b>GENE 31400</b> <b>ECEV 44000</b> MGCB 31600 DVBI 35400 HGEN 4700 BCMB 30600	<b>Fundamentals of Molecular Biology</b> <b>OR Molecular Biology I</b> <b>Genetic Mechanisms</b> Cell Biology II Dev. Gene of Non-Vertebrate Model Systems	<b>MGCB 31000</b> <b>OR 31200</b> <b>GENE 31500</b> MGCB 31700 DVBI 35500	<b>Human Variation and Disease</b> Genomics and Systems Biology Vertebrate Developmental Genetics Molecular Biology II	<b>HGEN 46900</b> HGEN 47300 DVBI 35600 MGCB 31300
<b>POPULATION GENETICS</b>	<b>Genetic Analysis of Model Organisms</b> <i>Fundamentals of Molecular Evolution</i> Cell Biology I Statistical Methods & Their Applications Statistical Theory & Methods I	<b>GENE 31400</b> <b>ECEV 44000</b> MGCB 31600 STAT 22000 STAT 24400	<b>Fundamentals of Molecular Biology</b> <b>OR Molecular Biology I</b> <b>Genetic Mechanisms</b> <i>Principles of Population Genetics I</i> Statistical Methods & Applications Statistical Theory & Methods II	<b>MGCB 31000</b> <b>OR 31200</b> <b>GENE 31500</b> <b>ECEV 35600</b> STAT 22000 STAT 24500	<b>Human Variation &amp; Disease</b> <i>Evolutionary Genomics</i> Genomics and Systems Biology Population Genetics II Speciation Sexual Selection	<b>HGEN 46900</b> <b>ECEV 35901</b> HGEN 47300 ECEV 35700 ECEV 36300 ECEV 37500
<b>HUMAN GENETICS</b>	<b>Genetic Analysis of Model Organisms</b> <i>Fundamentals of Molecular Evolution</i> Human Genetics Statistical Methods & Their Applications Statistical Theory & Methods I	<b>GENE 31400</b> <b>ECEV 44000</b> HGEN 47000 STAT 22000 STAT 24400	<b>Fundamentals of Molecular Biology</b> <b>OR Molecular Biology I</b> <b>Genetic Mechanisms</b> <i>Principles of Population Genetics I</i> Introductory Statistical Genetics Statistical Methods & Applications Statistical Theory & Methods II	<b>MGCB 31000</b> <b>OR 31200</b> <b>GENE 31500</b> <b>ECEV 35600</b> HGEN 47100 STAT 22000 STAT 24500	<b>Human Variation &amp; Disease</b> Genomics and Systems Biology Molecular Biology II Statistical Genetics	<b>HGEN 36900</b> HGEN 47300 MGCB 31300 STAT 35500
<b>DEVELOPMENTAL GENETICS</b>	<b>Genetic Analysis of Model Organisms</b> <i>Fundamentals of Molecular Evolution</i> Advanced Developmental Biology Cell Biology I	<b>GENE 31400</b> <b>ECEV 44000</b> DVBI 35400 MGCB 31600	<b>Fundamentals of Molecular Biology</b> <b>OR Molecular Biology I</b> <b>Genetic Mechanisms</b> Dev. Gene of Non-Vertebrate Model Systems	<b>MGCB 31000</b> <b>OR 31200</b> <b>GENE 31500</b> DVBI 35500	<b>Human Variation &amp; Disease</b> Genomics and Systems Biology Molecular Biology II Vertebrate Developmental Genetics Evolutionary Aspects of Gene Regulation	<b>HGEN 46900</b> HGEN 47300 MGCB 31300 DVBI 35600 EVOL 32600

THE ABOVE COURSE TRACK IS SUGGESTED. THE COMMITTEE ON GENETICS ENCOURAGES ALL STUDENTS TO EXPLORE OTHER AREAS OF INTEREST AS WELL.

TO SATISFY THE COURSE REQUIREMENTS FOR THE COMMITTEE ON GENETICS, STUDENTS ARE TO TAKE:  
4 REQUIRED COURSES, 4 ELECTIVES, AND 2 GRADED LAB ROTATIONS FOR ½ CREDIT EACH, TOTALING 9 GRADED COURSES.

**REQUIRED RED BOLDED COURSES FOR THE DEGREE ARE AS FOLLOWS:**

<b>Genetic Analysis of Model Organisms</b>	<b>GENE 31400</b>
<b>Genetic Mechanisms</b>	<b>GENE 31500</b>
<b>Fundamentals of Molecular Biology</b>	<b>MGCB 3100</b>
<b>OR Molecular Biology I</b>	<b>OR MGCB 31200</b>

**CHOOSE 1 OF THE FOLLOWING BLUE ITALICIZED COURSES TO SATISFY THE FINAL COURSE REQUIREMENT FOR THE DEGREE:**

<i>Fundamentals of Molecular Evolution</i>	<i>ECEV 44000</i>
<i>Principles of Population Genetics I</i>	<i>ECEV 35600</i>
<i>Human Variation &amp; Disease</i>	<i>HGEN 46900</i>
<i>Evolutionary Genomics</i>	<i>ECEV 35901</i>

DETAILED INFORMATION ON COURSE TIME AND LOCATION CAN BE FOUND ON THE REGISTRAR'S WEBSITE: <http://registrar/uchicago.edu>