

## Genetics (B.S.) Sample Program of Study

\*This schedule is only one example of a possible program of study. You need 121 credits to graduate. We strongly recommend taking both GENE 3000 and GENE 3200 as early in your program of study as possible. If you have AP credit in biology, we encourage you to take GENE 3000 and GENE 3200 in your first or second year. We also encourage you to spread your CORE classes throughout the 4 years of your program of study.

### YEAR ONE

Fall Courses	Hours	Spring Courses	Hours
ENGL 1101 English Composition I (Core Area I)	3	ENGL 1102 English Composition II (Core Area I)	3
MATH 2250 Calculus I (Core Area III)	4	BIOL 1108/L Principles of Biology II (Area VI)	4
BIOL 1107/L Principles of Biology I (Core Area II)	4	GENE 3200 Genetics	4
Foreign Language 1	4	Foreign Language 2	4
FYOS First Year Odyssey	1	Core Area V	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>

### YEAR TWO

Fall Courses	Hours	Spring Courses	Hours
CHEM 1211/L Freshman Chemistry I	4	GENE 4200 Advanced Genetics	3
GENE 3000 Evolutionary Biology	4	CHEM 1212/L Freshman Chemistry II	4
STAT 3110: Statistics for Life Sciences	3	STAT 3120: Probability for Life Sciences	3
Foreign Language 3	3	Franklin College FA/PHIL/RELI Req	3
		PE	1
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

### YEAR THREE

Fall Courses	Hours	Spring Courses	Hours
CHEM 2211/L Modern Organic Chemistry I (Area VI)	4	PHYS 1112/L or 1212/L Physics	4
GENE Major Elective	3	GENE 4960R Directed Research	3
Core Area V	3	BCMB 3100 Introductory Biochemistry	4
PHYS 1111/L or 1211/L Physics	4	Cultural Diversity and Franklin Multicultural Requirement	3
		Franklin Literature Requirement and Core Area IV	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>17</b>

### YEAR FOUR

Fall Courses	Hours	Spring Courses	Hours
GENE 4970R Directed Research	3	GENE Major Elective	3
GENE Major Elective	3	Franklin College FA/PHIL/RELI Req.	3
GENE 4950 Capstone Seminar I	1	GENE 4950 Capstone Seminar II	1
CBIO 3400 Cell Biology	4	GENE 4990R Thesis	3
Core Area V	3	General Elective	3
		General Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

### Major Electives (9-12 hours)

Choose three different courses. At least two courses must be from Group I; 1 additional course may be chosen from Group I or II. The same course cannot be used to satisfy more than one major required course. A maximum of 4 credit hours of research (GENE 4960R) can be used as a major elective, but only if the thesis option is not selected.