

Genetics - (B.S.)

*This 'typical' schedule is only an example. Each student may have differing background.

YEAR ONE

Fall Courses	Hours	Spring Courses	Hours
ENGL 1101 English Composition I (Area I)	3	ENG 1102 English Composition II (Area I)	3
MATH 1113 Precalculus (Area I)	3	CMLT 24000 (Multicultural and Cultural Diversity Req.)	3
CHEM 1211/L Freshman Chemistry I (Area II)	4	CHEM 1212/L Freshman Chemistry II (Area VI)	4
RELI 1001 Intro to Religion (FA/PHIL/RELI Req.)	3	SPAN 1001 Elementary Spanish (For. Language 1 st)	4
POLS 1101 American Government (Area V)	3	HIST 2111 or 2112 American History (Area V)	3
FYOS First Year Odyssey	1		
Total	17	Total	17

YEAR TWO

Fall Courses	Hours	Spring Courses	Hours
CLAS 1000 Greek Culture (Area IV)	3	MATH 2250 Calculus I (Area III)	4
BIOL 1107/L Principles of Biology I (Area II)	4	BIOL 1108/L Principles of Biology II (Area VI)	4
SPAN 1002 Elementary Spanish (For. Language 2 nd)	4	GENE 3200 Genetics	4
PSYC 1101 Elementary Psychology (Area V)	3	SPAN 2001 Intermediate Spanish (For. Language 3 rd)	3
ARHI 2111 Intro to Art History (FA/PHIL/RELI Req.)	3		
Total	17	Total	15

YEAR THREE

Fall Courses	Hours	Spring Courses	Hours
PHYS 1111/L or 1211/L Physics	4	PHYS 1112/L or 1212/L Physics	4
MATH 2260 Calculus II (Area VI)	4	BCMB 3100 Introductory Biochemistry	4
GENE 3000 Evolutionary Biology	4	GENE 4960 Directed Research	4
CHEM 2211/L Modern Organic Chemistry I	4	CHEM 2212/L Modern Organic Chemistry II	4
Total	16	Total	16

YEAR FOUR

Fall Courses	Hours	Spring Courses	Hours
CBIO 3400 Cell Biology	4	GENE Major Elective ¹	3-4
GENE 4200 Advanced Genetics	3	GENE Major Elective ¹	3-4
GENE 4950 Senior Seminar I	1	GENE 4950 Senior Seminar II	1
PEDB Course	1	GENE LAB Course	3-4
GENE Major Elective ¹	3-4	*39 Hour Rule Course (if needed)	3
Total	12-13	Total	13-16

Total Hours Over 4-Year Academic Period: 120 (this total does not include the 1-hour P.E.- PEDB requirement)

***39-hour rule:** Students must complete at least 39 hours of upper-division classes numbered 3000 and above.

¹Major Electives (9-12 hours)

Choose three different courses. At least one course must be from Group I. A course from Group III is not required if three courses are chosen from Group I or Group I and II.

One GENE lab course can be used as a major elective, but the same course cannot be used to satisfy a major required course. No more than four hours of directed study or independent research (e.g., 4960, 4960H, 4970H, 4980H) could be used, as a major elective, and only if the thesis option is not selected above. Non-equivalent transfer courses (GENE 1T01 to GENE 5T99) will not satisfy this requirement.