Biology - Cell & Molecular Biology Course Plan

Catalog Year 2019-2020

Legend

* Major Requirement

Must be taken to fulfill major requirements.

† Major Elective

Must be taken to fulfill major requirements, or replaced with an equivalent course.

‡ Gen-Ed Requirement

Must be taken to fulfill general education requirements.

§ Elective

Can be chosen from a selection of courses.

See MyGFU for detailed academic requirements.

First Year

Fall Semester

General Biology I (BIOL 211) *	4 credits
General Chemistry I (CHEM 211) *	4 credits
THEO 101 (I Believe) ‡	3 credits
Knowing and Being Known (LIBA 100) ‡	3 credits
Semester Total	**14 credits**
Cumulative Total	**14 credits**

Spring Semester

General Biology II (BIOL 212) *	4 credits
General Chemistry II (CHEM 212) *	4 credits
I Believe (THEO 102) ‡	3 credits
Introduction to Communication (COMM 100) ‡	3 credits
Social Science GE Requirement ‡	3 credits
Semester Total	**17 credits**
Cumulative Total	**31 credits**

Second Year

Fall Semester

Genetics (BIOL 350) *	4 credits
Organic Chemistry I (CHEM 331) *	4 credits
Lifelong Fitness (HHPA 120) ‡	2 credits
HUMA 205 or Alternate Literature & Philosophy GE Requirement ‡	3 credits
MATH 201, 240 or CSIS 201 - (MATH 240 will not meet GE MATH requirement) ‡	3 credits
Semester Total	**16 credits**
Cumulative Total	**47 credits**

Spring Semester

Microbiology (or upper division BIOL elective) (BIOL 370) *	4 credits
Organic Chemistry II (CHEM 332) *	4 credits
Bible Elective GE Requirement ‡	3 credits
Electives §	4 credits
Semester Total	**15 credits**
Cumulative Total	**62 credits**

Third Year

Fall Semester

Cell Biology (BIOL 420) *	4 credits
Biochemistry - strongly recommended (CHEM 341) §	4 credits
History/Politics/International Studies GE Requirement ‡	3 credits
HUMA 290 or Alternate Fine Arts Requirement ‡	3 credits
Electives §	3 credits
Semester Total	**17 credits**
Cumulative Total	**79 credits**

Spring Semester

Biological Exploration (Only offered Spring)) (BIOL 490) *	2 credits
Molecular Biology (BIOL 410) *	4 credits
Biochemistry - strongly recommended (CHEM 342) §	4 credits
Intercultural GE Requirement ‡	3 credits
Electives §	2 credits
Semester Total	**15 credits**
Cumulative Total	**94 credits**

Fourth Year

Fall Semester

Biology Elective †	4 credits

Engaging Christ in Transition (LIBA 400) ‡	3 credits
Electives §	9 credits
Semester Total	**16 credits**
Cumulative Total	**110 credits**

Spring Semester

Biology Field Studies Elective †	4 credits
Electives §	12 credits
Semester Total	**16 credits**
Cumulative Total	**126 credits**

Notes