The information regarding course offerings includes suggestions on how to progress through a possible major beginning with the first semester. Please understand that majors and course offerings can be dynamic due to curriculum changes and other variances. Although this information attempts to provide a sample plan of study, please review the information found within the General Catalog and visit with your academic advisor to discuss current offerings.

**BIOCHEMISTRY**

* -- Course offered alternate years  
# -- Strongly recommended courses

Students starting fall of an even year:

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<th>FALL</th>
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| **First Year** | CHEM 101 – General Chemistry I (QR, SR)  
MATH 151 – Calculus (QR) | CHEM 102 – General Chemistry II (QR)  
BIOL 111 – Principles of Biology II  
MATH 152 – Calculus (QR)# |
| **Second Year** | CHEM 201 – Organic Chemistry I  
PHYS 191 – Physics I (QR, SR)  
or PHYS 151(QR, SR)#  
BIOL 251 – Microbiology (SR, IL)# | CHEM 202 – Organic Chemistry II  
PHYS 192- Physics II (or PHYS 152)# |
| **Third Year** | BIOL 334 – Cellular Biology  
CHEM 301 - Physical Chemistry I (QR)*  
CHEM 303 – Physical Chemistry Lab (WC)**# | CHEM 330 - Biochemistry |
| **Fourth Year** | BIOL 360 - Molecular Genetics  
BIOL 330L – Biochemistry Lab  
CHEM 205 – Quantitative Analysis (QR)# | CHEM 370 – Biochemistry Seminar (IL, OC)  
CHEM 386 – Capstone (WC)  
CHEM 307 - Instrumental Analysis (QR)**# |

Students starting fall of an odd year:

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</table>
| **First Year** | CHEM 101 – General Chemistry I (QR, SR)  
MATH 151 – Calculus (QR) | CHEM 102 – General Chemistry II (QR)  
BIOL 111 – Principles of Biology II  
MATH 152 – Calculus (QR)# |
| **Second Year** | CHEM 201 – Organic Chemistry I  
PHYS 191 – Physics I (QR, SR)  
or PHYS 151(QR, SR)#  
BIOL 251 – Microbiology (SR, IL)# | CHEM 202 – Organic Chemistry II  
PHYS 192- Physics II (or PHYS 151)# |
| **Third Year** | BIOL 334 – Cellular Biology  
CHEM 205 – Quantitative Analysis (QR)# | CHEM 330 – Biochemistry  
CHEM 307 - Instrumental Analysis (QR)**# |
| **Fourth Year** | BIOL 360 - Molecular Genetics  
BIOL 330L – Biochemistry Lab  
CHEM 301 - Physical Chemistry I (QR)*  
CHEM 303 – Physical Chemistry Lab (WC)**# | CHEM 370 – Biochemistry Seminar (IL, OC)  
CHEM 386 – Capstone (WC) |