

BIOCHEMISTRY, BS

Example Plan of Study Finish in Four Plan of Study

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

| Course | Title | Hours |
|---|---|-----------|
| Freshman | | |
| Fall | | |
| CHEM 1314 | Chemistry I (LN) | 4 |
| MATH 2144 | Calculus I (A) | 4 |
| General Education courses | | 7 |
| Hours | | 15 |
| Spring | | |
| BIOL 1113 & BIOL 1111 | Introductory Biology (N) and Introductory Biology Laboratory (LN) | 4 |
| CHEM 1515 | Chemistry II (LN) | 5 |
| STAT 2013 or STAT 4013 or MATH 2153 | Elementary Statistics (A) or Statistical Methods I (A) or Calculus II (A) | 3 |
| General Education courses | | 3 |
| Hours | | 15 |
| Sophomore | | |
| Fall | | |
| BIOL 1604 or PBIO 1404 | Animal Biology or Plant Biology (LN) | 4 |
| CHEM 3053 | Organic Chemistry I | 3 |
| MICR 2123 | Introduction to Microbiology | 3 |
| MICR 2132 | Introduction to Microbiology Laboratory | 2 |
| General Education courses | | 3 |
| Hours | | 15 |
| Spring | | |
| CHEM 3153 | Organic Chemistry II | 3 |
| CHEM 3112 | Organic Chemistry Laboratory | 2 |
| PHYS 1114 | College Physics I (LN) | 4 |
| General Education courses | | 6 |
| Hours | | 15 |
| Junior | | |
| Fall | | |
| BIOC 3713 | Biochemistry I | 3 |
| PHYS 1214 | College Physics II (LN) | 4 |
| CHEM 2113 | Principles of Analytical Chemistry | 3 |
| College and Elective courses | | 5 |
| Hours | | 15 |
| Spring | | |
| BIOC 3813 | Biochemistry II | 3 |
| BIOC 3723 | Biochemistry and Molecular Biology Laboratory | 3 |
| BIOL 3023 or ANSI 3423 or PBIO 4553 | General Genetics or Animal Genetics or Molecular Phylogenetic Analysis | 3 |
| College and Elective courses | | 6 |
| Hours | | 15 |

Senior

Fall

| | | |
|---|--|---|
| BIOC 3223 or CHEM 3413 or CHEM 3433 | Physical Chemistry for Biologists or Physical Chemistry Applications or Physical Chemistry I | 3 |
|---|--|---|

| | |
|--------------------------------------|----|
| Major, College, and Elective courses | 12 |
|--------------------------------------|----|

| | |
|--------------|-----------|
| Hours | 15 |
|--------------|-----------|

Spring

| | | |
|---|--|---|
| BIOC 4883 or MICR 4233 or CHEM 4313 | Senior Seminar in Biochemistry or Advanced Cell and Molecular Biology or Medicinal Organic Chemistry | 3 |
|---|--|---|

| | |
|--------------------------------------|----|
| Major, College, and Elective courses | 12 |
|--------------------------------------|----|

| | |
|--------------|-----------|
| Hours | 15 |
|--------------|-----------|

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|--------------------|------------|
| Total Hours | 120 |
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Speak with academic advisor about saving General Education electives and Humanities (H) for Upper-division courses with International (I) and Diversity (D) dimensions.