

BIOCHEMISTRY (BS)

Suggested Sequence of Courses for a Bachelor of Science Degree in Biochemistry

| Course | Title | Hours |
|----------------------------------|----------------------------------|-----------|
| Freshman Year | | |
| First Semester | | |
| BIOL-1121 | General Biology I | 5 |
| CHEM-1200 | General Chemistry I Lecture | 3 |
| CHEM-1201 | General Chemistry I Laboratory | 1 |
| MATH-1300 | Calculus I | 4 |
| ENGL-1010 | English Composition | 3 |
| GNST-1000 | BC Experience | 1 |
| Hours | | 17 |
| Second Semester | | |
| BIOL-1122 | General Biology II | 4 |
| CHEM-1210 | General Chemistry II Lecture | 3 |
| CHEM-1211 | General Chemistry II Lab | 1 |
| MATH-1350 | Calculus II | 4 |
| THEO-1100 | Introduction to Theology | 3 |
| EXSC Fitness Course | | 1 |
| Hours | | 16 |
| Sophomore Year | | |
| First Semester | | |
| CHEM-2200 | Organic Chemistry I Lecture | 3 |
| CHEM-2201 | Organic Chemistry I Lab | 1 |
| PHYS-2100 | Classical Physics I | 3 |
| PHYS-2101 | Classical Physics I Lab | 1 |
| Historical Foundation | | 3 |
| Person and Community Foundation | | 3 |
| Elective | | 3 |
| Hours | | 17 |
| Second Semester | | |
| CHEM-2210 | Organic Chemistry II Lecture | 3 |
| CHEM-2211 | Organic Chem II Lab | 1 |
| PHYS-2110 | Classical Physics II | 3 |
| PHYS-2111 | Classical Physics II Lab | 1 |
| Historical Foundation | | 3 |
| Aesthetic Foundation | | 3 |
| PHIL-1750 | Principles of Nature | 3 |
| Hours | | 17 |
| Junior Year | | |
| First Semester | | |
| CHEM-3300 | Quantitative Analysis | 3 |
| CHEM-3301 | Quantitative Analysis Laboratory | 1 |
| CHEM-3500 | Biochemistry I | 3 |
| CHEM-3501 | Biochemistry I Laboratory | 1 |
| CHEM-4900 | Chemistry & Biochem Colloquium | 1 |
| Philosophical Inquiry Foundation | | 3 |

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|----------------------------------|-----------------------------------|------------|
| Foreign Language | | 4 |
| Hours | | 16 |
| Second Semester | | |
| CHEM-3311 | Instrumental Analysis Laboratory | 1 |
| CHEM-3510 | Biochemistry II | 3 |
| CHEM-3511 | Biochemistry II Laboratory | 1 |
| CHEM-Elective, Advanced Course | | 3 |
| CHEM-4901 | Chem & Biochem Colloquium 2 | 1 |
| Faith Foundation | | 3 |
| Foreign Language | | 4 |
| Hours | | 16 |
| Senior Year | | |
| First Semester | | |
| CHEM-4450 | Topics in Biochemistry | 3 |
| CHEM-4451 | Topics in Biochemistry Laboratory | 1 |
| CHEM-4801 | Research I | 1 |
| CHEM-4902 | Chem & Biochem Colloquium 3 | 1 |
| Aesthetic Foundation | | 3 |
| Faith Foundation | | 3 |
| Electives | | 3 |
| EXSC-1115 | Wellness for Life | 1 |
| Hours | | 16 |
| Second Semester | | |
| CHEM-3800 | Physical Chemistry I | 3 |
| CHEM-3801 | Physical Chemistry I Laboratory | 1 |
| CHEM-4811 | Research II | 1 |
| CHEM-4903 | Chem & Biochem Colloquium 4 | 1 |
| BIOC-COMP | Senior Comprehensive Exam | 0 |
| Electives | | 6 |
| Philosophical Inquiry Foundation | | 3 |
| Hours | | 15 |
| Total Hours | | 130 |