

Biochemistry (BS)

Department: Biochemistry

Type: Major

Requirements for the Bachelor of Science in Biochemistry

| Item # | Title | Credits |
|----------|---------------------------|---------|
| CHEM 121 | GENERAL CHEMISTRY I (NQ) | 4 |
| CHEM 122 | GENERAL CHEMISTRY II (Q) | 4 |
| CHEM 221 | ORGANIC CHEMISTRY I | 4 |
| CHEM 222 | ORGANIC CHEMISTRY II (R) | 4 |
| CHEM 311 | ANALYTICAL CHEMISTRY (W) | 4 |
| CHEM 321 | PHYSICAL CHEMISTRY I | 3 |
| CHEM 324 | BIOCHEMISTRY I | 3 |
| CHEM 325 | BIOCHEMISTRY II | 4 |
| CHEM 400 | SENIOR RESEARCH (M) | 2 |
| CHEM 401 | SENIOR RESEARCH (M) | 2 |
| BIOL 111 | PRINCIPLES OF BIOLOGY (N) | 4 |
| BIOL 222 | GENETICS | 4 |
| BIOL 224 | CELL BIOLOGY | 4 |

Three additional semester hours in Mathematics at the 200-level or above or PSYC 250

Three additional semester hours in biology to be chosen from the following

| Item # | Title | Credits |
|----------|---------------|---------|
| BIOL 255 | MICROBIOLOGY | 4 |
| BIOL 327 | IMMUNOLOGY | 3 |
| BIOL 328 | BIOTECHNOLOGY | 3 |

Additional courses required as prerequisites for completion of the above include:

| Item # | Title | Credits |
|-----------------------|-------------------------------------|--------------|
| PHYS 201 | GENERAL PHYSICS I (NQ) | 4 |
| PHYS 202 | GENERAL PHYSICS II | 4 |
| MATH 211 | INTRO CALC/ANALYTIC GEOMETRY I (Q) | 4 |
| MATH 212 | INTRO CALC/ANALYTIC GEOMETRY II (Q) | 4 |
| Total credits: | | 52-53 |