

Major:

Biochemistry and Molecular Biology (B.S.)

Departments/Programs:

Biology
Chemistry

Biochemistry and Molecular Biology Major (B.S., 62 hours)

| Courses | |
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| BIO 050 General Biology of Plants | 4 hours |
| BIO 160 Cell Biology | 4 hours |
| BIO 170 Genetics | 4 hours |
| BIO 283 Molecular Biology | 4 hours |
| CHEM 051 Chemical Principles and CHEM 051L Chemical Principles Laboratory | 4 hours |
| CHEM 120 Organic Chemistry I and CHEM 120L Organic Chemistry I Laboratory | 4 hours |
| CHEM 121 Organic Chemistry II: Synthesis and Mechanisms and CHEM 121L Organic Chemistry II Laboratory | 4 hours |
| CHEM 122 Analytical and Inorganic Chemistry and CHEM 122L Analytical and Inorganic Chemistry Laboratory | 4 hours |
| CHEM 221 Physical Chemistry I, Thermodynamics and Kinetics and CHEM 221L Physical Chemistry Laboratory | 4 hours |
| CHEM 242 Instrumental Methods of Analysis | 4 hours |
| BIO 281 Biochemistry or CHEM 255 Biochemistry | 3 hours |
| BIO 282 Biochemistry Laboratory or CHEM 258 Biochemical Methods | 1 hour |
| CHEM 256 Advanced Biochemistry | 3 hours |
| CHEM 293 Chemistry Seminar | 1 hours |
| PHYS 101 Principles of Physics I or PHYS 111 General Physics I | 4 hours |
| PHYS 102 Principles of Physics II or PHYS 112 General Physics II | 4 hours |
| MATH 105 Calculus I | 5 hours |
| Senior Comprehensive | |
| BIO 299 Senior Research or CHEM 295 Independent Study | 1 hour |

MATH 106 Calculus II is strongly recommended.