

Bachelor of Science with a Major in Biology

Requirements for the Bachelor of Science Degree with a Major in Biology

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| Core Curriculum | | 60 |
| Core Curriculum Areas A, B, C, D.2.a, and E (See VSU Core Curriculum) ¹ | | 42 |
| Core Curriculum Area F | | |
| Science | | 14-15 |
| BIOL 1100 | Biology Freshmen Seminar - Introduction to the Biological Sciences | |
| BIOL 1108K | Principles of Biology II | |
| CHEM 1211 | Principles of Chemistry I | |
| CHEM 1211L | Principles of Chemistry Laboratory I | |
| CHEM 1212 | Principles of Chemistry II | |
| CHEM 1212L | Principles of Chemistry Laboratory II | |
| PHYS 1111K | Introductory Physics I | |
| PHYS 1112K | Introductory Physics II | |
| PHYS 2211K | Principles of Physics I | |
| PHYS 2212K | Principles of Physics II | |
| A minimum grade of "C" is required for all BIOL, CHEM, MATH, and PHYS courses. | | |
| MATH 2262 | Analytic Geometry and Calculus II | 3-4 |
| or MATH 2620 | Statistical Methods | |
| Senior College Curriculum | | 60 |
| A minimum grade of "C" is required for all BIOL and CHEM courses. | | |
| Required Biology Courses | | 8 |
| BIOL 3200 | Introductory Genetics | 3 |
| BIOL 3250 | Ecology and Evolution | 4 |
| BIOL 4900 | Senior Seminar | 1 |
| Biology Electives ² | | 26-27 |
| Required Chemistry courses | | |
| CHEM 3401 | Organic Chemistry I | 4 |
| CHEM 3402 | Organic Chemistry II | 4 |
| CHEM 3601 | Biochemistry I | 3 |
| General Electives | | 11-12 |
| Carry-over from Core | | 3-4 |
| Total hours required for the degree | | 120 |

¹ Biology majors are required to take pre-calculus (MATH 1113) in Area A and calculus (MATH 2261) in Area D.2.a One hour of calculus will transfer to the upper elective hours. Biology majors must take 8 hours of science in Area D.2.a and may choose any of the following courses: BIOL 1107K, CHEM 1211 and CHEM 1211L, CHEM 1212 and CHEM 1212L, or calculus-based physics (PHYS 2211K and PHYS 2212K). If biology or chemistry courses are taken in Area D.2.a, biology majors may take non-calculus-based physics (PHYS 1111K and PHYS 1112K) in Area F.

² 3000-level and above (but not BIOL 4830, BIOL 4840, BIOL 4850)
Four courses with labs required
BIOL 4950 limited to 3 hours.