



Department of Earth and Environmental Science
Bachelor of Science in Geoscience- Geology

| Freshman Year | | | |
|--|--------------|---|--------------------|
| Semester 1 | Credits | Semester 2 | Credits |
| ENGL 101 English Composition I | 4 cr | ENGL 102 English Composition II | 4 cr |
| GenEd Tier 1 (See Recommended class list) | 3 cr | GenEd Tier 1 (See Recommended class list) | 3 cr |
| <i>EESC 112 Intro to Geology</i> | 5 cr | GenEd Tier 1 (See Recommended class list) | 3 cr |
| <i>MATH 192 Calculus I</i> | 4 cr | MATH 140 Statistics or MATH 193 Calc II | 3 or 4cr |
| Total | 16 cr | Total | 13 or 14 cr |
| Optional (Summer 1 and/or Summer 2) | | | |

| Sophomore Year | | | |
|---|--------------|---|--------------|
| Semester 1 | Credits | Semester 2 | Credits |
| <i>EESC 221 Essential Methods in Geology</i> | 3 cr | <i>EESC 241 Historical Geology</i> | 4 cr |
| GenEd Tier 1 (See Recommended class list) | 3 cr | <i>EESC 246 Earth Materials</i> | 4 cr |
| GenEd Tier 2 (See Recommended class list) | 3 cr | GenEd Tier 2 (See Recommended class list) | 3 cr |
| <i>CHEM 105/1105 General Chemistry I</i> | 5 cr | <i>CHEM 106/1106 General Chemistry II</i> | 5 cr |
| Total | 14 cr | Total | 16 cr |
| Optional (Summer 1 and/or Summer 2) <i>EESC 540 Geology of New Jersey (3 cr)</i> | | | |

| Junior Year | | | |
|---|--------------|---|--------------|
| Semester 1 | Credits | Semester 2 | Credits |
| <i>EESC 334 Sed/Strat</i> | 4 cr | EESC 317 Structural Geology | 4 cr |
| <i>EESC 336 Field Methods</i> | 4 cr | EESC 231 Water Chronicles or EESC 250 Plunder (<i>Tier 2</i>) | 3 cr |
| EESC 231 Water Chronicles or EESC 250 Plunder (<i>Tier 2</i>) | 3 cr | EESC Elective | 4cr |
| GenEd Tier 2 (See Recommended class list) | 3 cr | GenEd Tier 2 (See Recommended class list) | 3 cr |
| Total | 14 cr | Total | 14 cr |
| Optional (Summer 1 and/or Summer 2) | | | |

| Senior Year | | | |
|--|--------------|------------------------------------|--------------|
| Semester 1 | Credits | Semester 2 | Credits |
| GenEd Tier 3 (See Recommended class list) | 3 cr | EESC Elective | 4cr |
| EESC Elective | 3 cr | General Elective | 3 cr |
| General Elective | 3 cr | General Elective | 3 cr |
| <i>PHYS 130 College Physics I</i> | 4 cr | <i>PHYS 131 College Physics II</i> | 4 cr |
| General Elective | 3 cr | | |
| Total | 16 cr | Total | 14 cr |
| Optional (Summer 1 and/or Summer 2) | | | |