

GEOPHYSICS

Freshman Year

Fall Semester

| | | |
|------------------------------------------------------------------|--------|-----|
| Math 1371 or 1271 Calc I <i>[1371 Fall only]</i> | 4 | crs |
| Chem 1021 Chem Princ I <i>[placement into course or 1015]</i> | 4 | |
| Geo 1001 | 3 | |
| Lib Ed* | 3 or 4 | |

Spring Semester

| | | |
|----------------------------------------------------------------------|--------|-----|
| Math 1372 or 1272 Calc II <i>[1271 or 1371]</i> | 4 | crs |
| Chem 1022 Chem Princ II <i>[C- or better in Chem 1021]</i> | 4 | |
| Phys 1301W Intro Phys I <i>[&Math 1271 or &Math 1371]</i> | 4 | |
| Lib Ed* | 3 or 4 | |

*You should try to take English Composition in the freshman year.

Sophomore Year

Fall Semester

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|-------------------------------------------------------------------|---|-----|
| UD Geo 2201 Geodynamics I <i>[Phys 1301]</i> | 3 | crs |
| Geo 2301 Mineralogy <i>[Chem 1021, Math 1371]</i> | 3 | |
| UD Math 2373 or 2243 Lin alg/diff eqs <i>[1272 or 1372]</i> | 4 | |
| Phys 1302W Intro Phys II <i>[1301, Math 1372 or &1372]</i> | 4 | |
| Lib Ed | 3 | |

Spring Semester

| | | |
|--------------------------------------------------------------------|---|-----|
| UD Geo 2302 Petrology <i>[2301 or #]</i> | 3 | crs |
| Geo 2303W Geochem Principles <i>Chem 1021 or &Chem 1021</i> | 3 | |
| UD Math 2374 or 2263 Multivariabl calc <i>[1272 or 1372]</i> | 4 | |
| Phys 2303 Intro Phys III <i>[1302, Math 1372]</i> | 4 | |
| Lib Ed | 3 | |

Summer after sophomore year: Geo 3911 Field Geophysics

Shaded courses are offered only once each year.
Prerequisites are listed under the course name.

UD You must have at least a 2.00 technical GPA for admission to upper division Geophysics. This GPA includes all calculus, physics, chemistry, geology, computer science, and engineering courses. In addition, courses with UD need to be completed before you apply, unless you have at least a 2.50 tech GPA and the courses in progress.

Junior Year

Fall Semester

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|-----------------------------------------------------------|---|-----|
| Geo 3202 Geodynamics II <i>[2201 or &Geo 2201]</i> | 3 | crs |
| Geo 4501 Structural Geology <i>[2201, 2302]</i> | 3 | |
| Lib Ed | 3 | |
| Electives | | |

Spring Semester

| | | |
|-----------------------------------------|---|-----|
| Geo 3401 Geochronology <i>[2303]</i> | 3 | crs |
| Lib Ed | 3 | |
| Lib Ed | 3 | |
| Electives | | |

Summer after junior year: One of Geo 4911, Geo 4921, Geo 4971

Senior Year

Fall Semester

| | | |
|------------------------------|---|-----|
| Geo 42xx Geophysics elective | 3 | crs |
| Electives | | |

Spring Semester

| | | |
|------------------------------|---|-----|
| Geo 42xx Geophysics elective | 3 | crs |
| Electives | | |

Courses with a double-lined border are Writing Intensive (WI) courses and count toward your writing intensive requirement. You are required to complete four writing intensive courses, one of which must be at the 3xxx-level, and one of which must be in your major department, or approved by your department.

Geo 2303 -- Geochemical Principles -- is WI.

Math 2373 and 2243 are Linear Algebra and Differential Equations.
Math 2374 and 2263 are Multivariable Calculus and Vector Analysis.

You need 120 semester credits to earn your degree.