



Geology, BS

FALL

SPRING

| Course Number | Course Title | USP | CR | Min Grade | Grade | Course Number | Course Title | USP | CR | Min Grade | Grade |
|---------------|--------------|-----|----|-----------|-------|---------------|--------------|-----|----|-----------|-------|
|---------------|--------------|-----|----|-----------|-------|---------------|--------------|-----|----|-----------|-------|

FRESHMAN YEAR

| | | | | | |
|--|--|-----|-----------|---|--|
| | USP: First Year Seminar <i>or USP ELECTIVE</i> | FYS | 3 | C | |
| CHEM 1020 | General Chemistry I | PN | 4 | C | |
| <i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i> | | | | | |
| GEOL 1100 | Physical Geology <i>or GEOL 1005, 1200 or 1330</i> | | 4 | C | |
| | USP: Communications I | C1 | 3 | C | |
| Total | | | 14 | | |

| | | | | | |
|---|---|----|-----------|---|--|
| CHEM 1030 | General Chem II | PN | 4 | C | |
| <i>Prerequisite: C in CHEM 1020</i> | | | | | |
| MATH 2200 | Calculus I or or GEOL 2120 Quantitative GeoMethods | Q | 4 | C | |
| <i>Prerequisite: C in Math 1405/1450, MPE 5, Math ACT 27 or 23, Math SAT 640 or 600</i> | | | | | |
| | USP: US & Wyo Const. | V | 3 | D | |
| | USP: Human Culture | H | 3 | D | |
| Total | | | 14 | | |

SOPHOMORE YEAR

| | | | | | |
|------------------------------|--|----|-----------|---|--|
| GEOL 2000 | Geochem Cycles/Earth <i>C in GEOL 1100 and concurrent in CHEM 1020</i> | | 4 | C | |
| GEOL 2010 | Mineralogy <i>C in GEOL 1100 and concurrent in CHEM 1020</i> | | 4 | C | |
| One of: | PHYS 1110 OR PHYS 1210 <i>C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i> | | 4 | C | |
| | USP: Communications II | C2 | 3 | C | |
| <i>Prerequisite: C in C1</i> | | | | | |
| Total | | | 15 | | |

| | | | | | |
|--------------|--|---|-----------|---|--|
| GEOL 2100 | Stratigraphy and Sedimentation <i>C in GEOL 2010</i> | | 4 | C | |
| GEOL 2020 | Intro to Petrology <i>C in GEOL 2010</i> | | 4 | C | |
| | USP: Human Culture | H | 3 | D | |
| GIST2310 | Intro to GIS | | 4 | C | |
| Total | | | 15 | | |

JUNIOR YEAR

| | | | | | |
|--------------|---|--|-----------|---|--|
| GEOL 3005 | Principles of Geophysics <i>GEOL 1100 or 1005 or 1500, PHYS 1110 or 1210.</i> | | 4 | C | |
| GEOL 4610 | Structural Geology & Tectonics <i>GEOL 2010</i> | | 4 | C | |
| GEOL | Geology Elective | | 3 | C | |
| GEOL 4140 | Diversity Inclusion Geoscience <i>Prerequisite: C in C1</i> | | 1 | C | |
| | General Elective | | 2 | C | |
| Total | | | 14 | | |

| | | | | | |
|--------------|---|--|-----------|---|--|
| GEOL | Upper Div Geology Elec | | 4 | C | |
| | Upper Div Elec | | 3 | D | |
| | General Elective | | 3 | D | |
| 2nd MATH | MATH 2200 or MATH 2205 or MATH 2250 or GEOL 4525 | | 4 | C | |
| Total | | | 14 | | |

SUMMER before or after Senior year

| | | | | | |
|--------------|--|--|----------|---|--|
| GEOL 4717 | Field Course in Geology <i>Prerequisite: GEOL 2100 and GEOL 4610</i> | | 6 | C | |
| Total | | | 6 | | |

SENIOR YEAR

| | | | | | |
|--------------|--------------------------------|--|-----------|---|--|
| GEOL | Upper Div Geology Elec | | 4 | C | |
| GEOL | Upper Div Geology Elec | | 4 | C | |
| | Upper Division Elective | | 3 | D | |
| | General Elective | | 3 | D | |
| Total | | | 14 | | |

| | | | | | |
|--------------|--|----|-----------|---|--|
| GEOL 4820 | Capstone <i>Junior standing and 26 hours in the department</i> | C3 | 3 | C | |
| GEOL | Upper Division Geology Elective | | 4 | C | |
| GEOL | Upper Division Geology Elective | | 3 | C | |
| | General Elective | | 4 | D | |
| Total | | | 14 | | |

Total Program Credits: 120

Fall only or spring only course

- A minimum of 120 hours is required. • A minimum of 42 hours must be upper division.
- 22 hours of GEOL Electives are required and must be taken at the 2000+ level and above
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0.
- Fundamental math track: MATH 2200, GEOL 2120. Advanced math track: MATH 2200, and MATH 2205 or MATH 2250 or GEOL 4525
- A minimum grade of C (S where appropriate) is required for all required courses programs. This applies to course work taken outside the department, as well as to transfer courses.