

# Earth Science

The earth science program is one of the most established and respected programs within the earth science discipline. It is a computer-based program in which earth science theory and practice receive equal emphasis as applied to both financial and managerial earth science issues. It intends to support the career objectives of those looking to enter the job market upon graduation, as well as the academic needs of those looking to pursue advanced degrees. Required course work covers areas critical to success in today's earth science workplace:

- Technical earth science knowledge
- Communication and interpersonal skills
- Career-related computer literacy
- A laptop computer is recommended, but not required, for students entering the earth science program.

## Courses

| Course Number | Course Title                            | Credits     |
|---------------|-----------------------------------------|-------------|
| EARTH 1101    | Physical Geology of Earth's Interior    | 4 Credits   |
| EARTH 1102    | Physical Geology of Earth's Surface     | 4 Credits   |
| EARTH 1105    | Environmental Geology                   | 4 Credits   |
| EARTH 1110    | Introduction to Meteorology             | 4 Credits   |
| EARTH 1111    | Climate and Global Change               | 3 Credits   |
| EARTH 1115    | Severe and Unusual Weather              | 4 Credits   |
| EARTH 1116    | Weather Analysis and Forecasting I      | 1 Credits   |
| EARTH 1117    | Weather Analysis and Forecasting II     | 1 Credits   |
| EARTH 1119    | Weather Impacts and Preparedness        | 3 Credits   |
| EARTH 1120    | Introduction to Astronomy               | 3 Credits   |
| EARTH 1122    | Astronomy: The Solar System             | 4 Credits   |
| EARTH 1124    | Astronomy: Stars and Galaxies           | 4 Credits   |
| EARTH 1126    | Observational Astronomy                 | 4 Credits   |
| EARTH 1130    | Introduction to Oceanography            | 4 Credits   |
| EARTH 1135    | Water Science-Fundamentals of Hydrology | 4 Credits   |
| EARTH 1140    | Fundamentals of Earth Science           | 4 Credits   |
| EARTH 1141    | Introduction to Earth Science           | 3 Credits   |
| EARTH 1800    | Special Project                         | 1-3 Credits |
| EARTH 1820    | Selected Topics I                       | 1-3 Credits |
| EARTH 1840    | Independent Study                       | 1-4 Credits |

| <b>Course Number</b> | <b>Course Title</b>                                            | <b>Credits</b> |
|----------------------|----------------------------------------------------------------|----------------|
| EARTH 2102           | Origin and Evolution of the Earth                              | 4 Credits      |
| EARTH 2103           | Geologic Field Investigations                                  | 3 Credits      |
| EARTH 2110           | Intermediate Meteorology                                       | 4 Credits      |
| EARTH 2115           | Mesoscale Meteorology                                          | 4 Credits      |
| EARTH 2116           | Adv Weather Analysis & Forecasting I                           | 1 Credits      |
| EARTH 2117           | Adv Weather Analysis & Forecasting II                          | 1 Credits      |
| EARTH 2118           | Severe Weather Lab                                             | 2 Credits      |
| EARTH 2800           | Special Project                                                | 1-3 Credits    |
| EARTH 2820           | Advanced Selected Topics I                                     | 1-3 Credits    |
| EARTH 2860           | Internship (Career & Technical Ed)yCoop Ed/Internship<br>Occup | 1-4 Credits    |
| EARTH 2865           | Internship Advanced (Career & Tech Ed)                         | 1-4 Credits    |
| EARTH 2870           | Internship (Transfer)                                          | 1-4 Credits    |
| EARTH 2871           | Internship - Advanced (Transfer)                               | 1-4 Credits    |