

# EARTH AND PLANETARY SCIENCE MINOR

## Interdisciplinary Minor

The Earth and Planetary Science minor gives students a broad understanding of processes that formed and modified the Earth and other planets in the solar system. The curriculum introduces a wide range of topics, from surface phenomena such as weather and climate, to the Earth's internal composition and dynamics. Transcending the boundaries of traditional geological studies, the Earth and Planetary Science program focuses on the way large Earth systems such as the lithosphere, hydrosphere, and atmosphere interact and evolve. Further emphasis is placed on the fundamental physical and chemical laws that govern the cycling of matter and energy on the Earth. Together, these complementary approaches help to provide students with a comprehensive view of the planet's origin and evolution, as well as an enlightened appreciation for the forces at work in our natural environment.

## Earth & Planetary Science Minor Requirements

This minor can be combined with any major at Washington College. It comprises six courses, to be chosen as follows:

| Code                              | Title  | Credits   | Notes |
|-----------------------------------|--|-----------|-------|
| <b>Core Courses</b>               |  | <b>20</b> |       |
| ENV 140                           | Exploring the Solid Earth with Lab   |           |       |
| ENV 141                           | Atmosphere, Ocean & Environment w/Lab  |           |       |
| ENV/PHY 240                       | Earth and Planetary Systems with Lab   |           |       |
| MAT 111                           | Differential Calculus  |           |       |
| or MAT 106                        | Stretch Differential Calculus I  |           |       |
| or MAT 107                        | Stretch Differential Calculus II   |           |       |
| ANT/ENV 109                       | Intro to Geographic Information Systems  |           |       |
| <b>Select 1 Course From Below</b> |  | <b>4</b>  |       |
| CHE 120 & CHE 122                 | Chem Principles Org Molecules with Lab and Chemical Principals Orgnc Molecules Lab |           |       |
| ENV 320                           | Climate Change   |           |       |
| PHY 111                           | General Physics I with Lab   |           |       |
| <b>Total Credits</b>              |  | <b>24</b> |       |

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