

# Mineralogy and Petrology Minor

A Mineralogy and Petrology Minor complements many majors, such as:

- ✦ Chemistry
- ✦ Chemical Engineering
- ✦ Biological Sciences
- ✦ Materials Science & Engineering
- ✦ Landscape Architecture
- ✦ Civil & Environmental Engineering
- ✦ Physics
- ✦ Engineering Physics
- ✦ Computer Science & Engineering

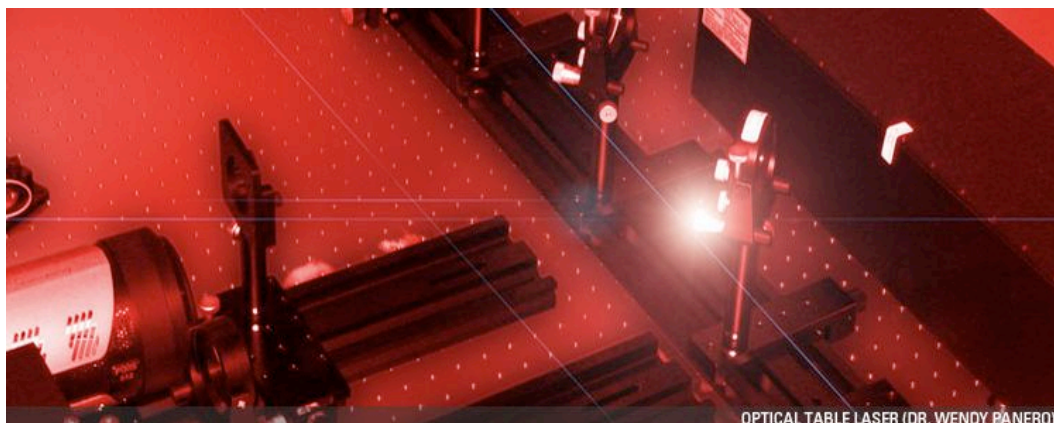
Courses available for the minor:

- ✦ Mineralogy and Crystallography
- ✦ Introductory Petrology
- ✦ Sedimentary Petrology of Sandstones
- ✦ Sedimentary Petrology of Carbonates and Shales
- ✦ Earth and Planetary Petrology
- ✦ Advanced Crystallography
- ✦ Advanced Mineralogy
- ✦ X-ray Diffraction



School of Earth Sciences  
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[www.earthsciences.osu.edu](http://www.earthsciences.osu.edu)



## Enhance your degree with a Mineralogy and Petrology minor

A Mineralogy and Petrology minor through the School of Earth Sciences will supplement your B.S. degree in almost any field of science or engineering.

The minor consists of one pre-requisite course plus 20–25 hours of course work, forming a coherent program. The defined minor is described below, but other courses can be substituted with School permission.

With this minor, students will have critical knowledge and hands-on experience to participate successfully in many public, private and international career opportunities such as:

- ✦ Government research
- ✦ Environmental consulting
- ✦ Oil and natural gas exploration & production
- ✦ Renewable and alternative energy resources
- ✦ Education

For more information, contact:

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## Mineralogy and Petrology Coursework

### Prerequisite course

EARTH SCI 121 Dynamic Earth (5)

### Required courses

EARTH SCI 421 Introductory Mineralogy and Crystallography (5)

EARTH SCI 423 Introductory Petrology (5)

### Additional courses (choose 10 hours)

EARTH SCI 601.01 Sedimentary Petrology of Sandstones (5)

EARTH SCI 601.02 Sedimentary Petrology of Carbonate Rocks and Shales (5)

EARTH SCI 617 Petrology of Earth and Planets (5)

EARTH SCI 625 Igneous Petrology (5)

EARTH SCI 635 Advanced Crystallography (4)

EARTH SCI 636 Advanced Mineralogy (4)

EARTH SCI 637 X-ray Diffraction (3)