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# PHYSICAL AND EARTH SCIENCES

## DEPARTMENT OF PHYSICAL SCIENCES - MINORS AVAILABLE

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### Chemistry

The minor in chemistry is designed for science majors who would like to further their studies in chemistry and for students who cannot complete a major in chemistry, but for employment opportunities, would like to gain basic knowledge and competencies in chemistry. The minor in chemistry requires the core chemistry courses:

- CHEM 2124 General Chemistry I and CHEM 2120 General Chemistry I Lab
- CHEM 2134 General Chemistry II and CHEM 2130 General Chemistry II Lab
- CHEM 3245 Quantitative Analysis
- CHEM 3254 Fundamentals of Organic Chemistry
- CHEM 3264 Mechanistic Organic Chemistry

### Geology

The minor in geology is primarily designed for students who are majoring in disciplines where a broader background in geology can aid in recognizing and addressing geological hazards, natural disasters, environmental issues, natural resource management, conservation, and land use planning. The minor in geology requires 20 hours of courses:

- GEOL Electives (11 hours)
- GEOL Electives (9 hours of 3000 or 4000 level)

*\*No more than one credit hour can be a seminar course or special problem*

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### Physics

The minor in physics is for engineering students or physical science students wishing to obtain additional background to support their major degree and enhance their employment opportunities. The minor in physics requires 20 hours of courses:

- PHYS 2114 Calculus-Based Physics I
- PHYS 2124 Calculus-Based Physics II
- PHYS 3213 Modern Physics
- UD PHYS Electives (6 hours of 3000-4000 level)
- UD PHYS *or* MATH Electives (3 hours of 3000-4000 level)

*\*No more than one credit hour can be a seminar course or special problem*

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### Physical Science

The minor in physical science is for students wishing to obtain additional background to enhance their employment opportunities. The minor in physical science requires 20 hours of courses:

- Electives (11 hours chosen from CHEM, GEOL, PHSC, or PHYS)
- Electives (9 hours of 3000 or 4000 level chosen from CHEM, GEOL, PHSC, or PHYS)

*\*No more than one credit hour can be a seminar course or special problem*