Purdue University
Department of Earth and Atmospheric Sciences

**Sedimentary Geology/Paleontology**

If you are interested in studying sedimentary geology or paleontology as a Geology & Geophysics major, it is recommended that you select from the following list of courses.

**Science Lab Sequence**
- Chemistry 11500/11600 required
- Biology 11000/11100
- Physics 22000/22100 or 17200/27200

Students would take either the Biology sequence or Physics sequence

**EAS Professional Electives**

**Highly Recommended**
- Sedimentology/Stratigraphy
- Structural Geology
- Geomorphology
- Paleontology

**Recommended – 4XXXX/5XXXX**
- Sedimentary Petrology
- Biostratigraphy
- Field Camp (traditional 6 week camp)
- Stable Isotopes
- Radiogenic Isotopes
- Physics and Chemistry of Earth
- Advanced Sedimentary Environments
- Fluid Flow
- Basin Analysis
- Petroleum Geology
- Climate Proxies
- Crustal Tectonics

**Science/Engineering Electives**
- Agronomy (20000 or above)
- Biology courses (20000 or above)
- Computer Science courses (20000 or above)
- Forestry and Natural Resources (20000 or above)
- Physics courses (20000 or above)
- CE 35000 – Environmental Engineering
- AGRY 25500 – Soil Science
- FNR 50100 – Limnology
- BIOL 58000 – Evolution
- CE 54200 – Hydrology
- BIOL 28600/28700 – Ecology
- AGRY 54500 - Remote Sensing
- Stream Ecology
- GIS courses
- Sediment Transport
- Fluid Dynamics
- Astronomy

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