

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 115/116 required
Biology 110/111
Physics 220/221 or 172/272

Students would take either the Biology sequence or Physics sequence

EAS Professional Electives

Highly Recommended

Sedimentology/Stratigraphy
Structural Geology
Geomorphology
Paleontology

Recommended – 4XX/5XX

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 (200 or above)
Biology courses (200 or above)
Computer Science courses (200 or above)
Forestry and Natural Resources (200 or above)
Physics courses (200 or above)
CE 350 – Environmental Engineering
AGRY 255 – Soil Science
FNR 501 – Limnology
BIOL 580 – Evolution
CE 542 – Hydrology
BIOL 286/287 – Ecology
AGRY - 545
Stream Ecology
GIS courses
Sediment Transport
Fluid Dynamics
Astronomy