Physical Science Offerings

Courses marked with an asterisk (*) are available to satisfy the requirement, but you are unlikely to meet the pre-requisites.

**FALL OPTIONS**
- ASTR 203 – Stars
- ECOL 447 – Theoretical Ecology
- ENVS 200 – Intro Soil Science
- ENVS 201 – Soils Lab
- ENVS 340 – Environmental Chemistry
- GEOS 251 – Physical Geology
- GEOS 478 – Global Change
- GEOS 212 – Intro to Oceanography
- HWRS 350 – Principles of Hydrology
- RNR 321 – Ecological Surveys and Sampling

**SPRING OPTIONS**
- ASM 404 – Irrigation Principles & Management
- CHEM 405A – Basic Lab Safety
- CSC 250 – Essential Computing for the Sciences
- ECOL 480 – Mathematical Models in Biology
- GEOG 430 – The Climate System
- GEOG 308 – Paleontology
- GEOS 412A – Ocean Sciences

The courses listed below are available to satisfy this requirement, but our majors don’t typically meet the pre-requisites.

**FALL OFFERINGS**
- CHEM 325 – Analytical CHEM*
- CHEM 400A – CHEM Measurements Lab*
- CHEM 412 – Inorganic Prep*
- CHEM 446 – Organic Prep*
- CHEM 480A – Physical CHEM*
- CHEM 480B – Physical CHEM*
- CSC 252 – Computer Organization*
- CSC 335 – Object-Oriented Programming & Design*
- CSC 435 – Analysis of Discrete Structures*
- CSC 352 – Systems Programming & Unix*
- GEOG 330 – Introduction to Remote Sensing*
- GEOG 357 – Geographical Research Methods*
- GEOG 371 – Principles & Practices of Regional Development*
- GEOG 416A – Computer Cartography*
- GEOG 416C – Urban Geographic Information Systems*
- GEOG 416E – Geovisualization (GIS)*
- MATH 223 – Vector Calculus*
- MATH 243 – Discrete Math in Computer Science*
- MATH 254 – Intro to Ordinary Differential Equations*
- MATH 323 – Formal Math Reasoning & Writing*
- MATH 355 – Analysis of Ordinary Differential Equations*
- PHYS 204 – Math Techniques in Physics*
- PHYS 305 – Computational Physics*
- PHYS 320 – Optics*
- PTYS 407 – Chemistry of the Solar System*
- REM 490 – Remote Sensing for the Study of Planet Earth*
- RNR 417 – Geographic Information Systems for Natural & Social Sciences*
- RNR 419 – Cartographic Modeling for Natural Resources*

**SPRING OFFERINGS**
- CHEM 400B – Chemical Measurements Laboratory*
- CHEM 401A – Instrumental Analysis*
- CHEM 447 – Organic Structural Analysis Laboratory*
- ENVS 305 – Pollution Science*
- ENVS 401 – Sustainable Management of Arid Lands & Salt-Affected Soils*
- GEOG 483 – Geographic Applications of Remote Sensing*
- PTYS 403 – Physics of the Solar System*
- RNR 384 – Natural Resources Management Practices*
- RNR 403 – Applications of Geographic Information Systems*
- RNR 420 – Advanced Geographic Information Systems*