

Schedule of Astronomy / Earth Science / Planetary Science Courses

Earth Science Core classes are required for all Earth Science majors (regardless of specialization): these should be completed by the end of your sophomore year (for first-time students) or your first two semesters (for transfers). Other listed courses may be requirements or electives depending on the specialization you select.

| Earth and Space Sciences Core | | | | | | | |
|---|---------------------------------|---|--------------------------------|---|--------------------------------------|-----------------------------------|--|
| Offered every Fall & Spring | Core Courses Offered every Fall | | | Core Courses Offered every Spring | | | |
| Select ONE lecture+lab | | | | | | | |
| ESCI 121/125 Dynamic Earth (w/laboratory) ESCI 131/135 Environmental Earth Sci. (w/lab) (cannot receive credit for the other) | ESCI 221 (4 cr.) Mineralogy | ESCI 260 (1 cr.) Communicating Earth+Space Sci. | ESCI 290 (2 cr.) Field Methods | ESCI 141/145 Earth & Life History (w/lab) | ESCI 223 (4 cr.) Sedimentary Geology | ESCI 360 (1 cr.) Research Methods | |

| Courses offered every academic year | | | | | |
|---------------------------------------|-------------------------------------|--------------------------------|--|---------------------------------------|--|
| Offered every Fall | | | Offered every Spring | | |
| ESCI 129 Meteorology: Earth's Weather | AST 208 (4 cr.) Planetary Astronomy | ESCI 424 (4 cr.) Geomorphology | AST 209 (4 cr.) Stellar & Galactic Astronomy | ESCI 129 Meteorology: Earth's Weather | |

| Courses offered once every two years: Fall (odd calendar years) - Spring (even calendar years) | | | | | | |
|--|-------------------------------|---|-------------------------------|---|-------------------------------|---------------------------------|
| Offered in Fall of odd-numbered calendar years | | | | Offered in Spring of even-numbered calendar years | | |
| ESCI 321 (4 cr.) Structural Geology | ESCI 443 (4 cr.) Soil Science | AST 470 (3 cr.) Exoplanets and Astrobiology | AST 278 (3 cr.) The Night Sky | ESCI 322 (4 cr.) Igneous & Meta. Petrology | ESCI 431 (4 cr.) Hydrogeology | ESCI 478 (3 cr.) Image Analysis |

| Courses offered once every two years: Fall (even calendar years) - Spring (odd calendar years) | | | | | |
|--|-----------------------------------|------------------------------|--|-----------------------------------|---|
| Offered in Fall of even-numbered calendar years | | | Offered in Spring of odd-numbered calendar years | | |
| ESCI 441 (3 cr.) Environmental Geochemistry | ESCI 455 (3 cr.) Energy Resources | AST 418 (3 cr.) Astrophysics | ESCI 425 (3 cr.) Glacial Geology and Ice Ages | ESCI 350 (3 cr.) Computer Methods | AST 378 (3 cr.) Earth and Planetary Science |

| Capstone |
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| AST 460 Research in Astro., ESCI 460 Senior Project, or ESCI 480 Internship (1-3 cr.). <i>By arrangement with a faculty advisor who agrees to supervise project or internship. Signed enrollment form should be submitted before classes start. Can be taken anytime after completing the ESCI 360 pre-requisite.</i> |

| Offered Irregularly (requires 9 students to fill) |
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| AST or ESCI 490 (3 cr.) Special Topics or AST 495 Seminar in Astronomy (1 cr.) <i>Offered if there is sufficient demand (at least 9 students confirmed to enroll).</i> |