### Majors in the Department of Earth and Planetary Science “EPS”

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<th>EPS Lower Div. (LD) classes</th>
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| **Atmospheric Science**  
Study Earth's atmospheric dynamics / processes, climate, paleoclimate, chemistry and/or biogeochemistry. | EPS 50 (4) | Chem 1A + 1AL | Math 1A, 1B, 53, 54 | Physics 7A, 7B, 7C | EPS 102 (4), EPS 180 (3), EPS 181 (3), EPS 182 (3), EPS 150 (2) | Minimum of 9 units Upper Division Electives |
| **Environmental Earth Science**  
Provides a broad approach to the natural sciences with a focus on interrelationships of the Earth's physical, biological and chemical processes. | EPS 50 (4) | Chem 1A + 1AL  
and Bio 1B | Math 16A, 16B  
or 1A, 1B | Physics 8A, 8B,  
or 7A, 7B | EPS 102 (4), EPS 117 (4), ERG 102 (4), EPS 150 (2), | Minimum of 12 units Upper Division Electives |
| **Geology**  
The science of the earth: its minerals and processes, its origin, shaping and evolution. | EPS 50 (4) | Chem 1A + 1AL | Math 1A, 1B | Physics 7A, 7B  
(Math 53 is a prereq. for Physics 7B) | EPS 102 (4), EPS 100A (4), EPS 100B (4), EPS 101 (4), EPS 118 (4), EPS 150 (2) | Minimum of 10 units Upper Division Electives |
| **Geophysics**  
Use physics to learn indirect methods to explore the Earth's processes not directly observable which cause volcanoes eruptions, earthquakes, magnetic fields, and mineral formations. | EPS 50 (4) | Chem 1A + 1AL | Math 1A, 1B, 53, 54 | Physics 7A, 7B, 7C | EPS 102 (4), EPS 130 (3), EPS 104 (4) or Math 121A (4), EPS 150 (2) | Minimum of 11 units Upper Division Electives |
| **Marine Science**  
From the ocean's central role in physical, chemical, biological and geological processes on earth including climatic and oceanographic to dynamics, morphology and restoration of rivers. | EPS 50 (4)  
EPS C82 (2) | Chem 1A+1AL  
and Bio 1B | Math 16A, 16B  
or 1A, 1B or 10A, 10B | Physics 8A, 8B  
or 7A, 7B | EPS 102 (4), 150 (2)  
and 4 courses from:  
EPS 100A (4), EPS 103(3), EPS 109 (3), INTEGBI 106 (3), INTEGBI 106A (4), STAT 131A | Minimum of 8 units Upper Division Electives |
| **Planetary Science**  
This field encompasses the formation of planets, the forces that sculpted their orbits, the processes that shaped their interiors, surfaces, and atmospheres, and the development of life. | EPS 50 (4) | Chem 1A+1AL | Math 1A, 1B, 53, 54 | Physics 7A, 7B, 7C | EPS 102 (4), EPS 150 (2), EPS/ASTRON C162 (4) | Minimum of 14 Upper Division Electives |

Remember to ask about the Ramsden Scholarship for Declared Majors


