

Department of Earth Sciences Student Learning Outcomes

SLO1 Knowledge and Understanding *Earth Sciences graduates exhibit knowledge and understanding of the component of the Earth system specific to their discipline.*

Earth Sciences majors graduate as fledgling scientists prepared to embark hydrologic and ocean systems. Earth Sciences graduates have a broader, knowledge and understanding of the Earth system and oceanography.

SLO2 Evidence-based Scientific Reasoning *Earth Sciences graduates employ scientific reasoning to critically think about problems.*

Earth Sciences majors can employ a process of observation and analysis to apply their knowledge and understanding of the Earth system.

SLO3 Tools *Earth Sciences graduates demonstrate the use of technologies appropriate to their discipline.*

Earth Sciences majors can move on to the next phase of their education (employment) with the ability to use fundamental tools and technologies to solve problems. Students will be able to identify the tool/technology necessary to solve the problem. Tools are extensions of self (e.g. geologist's compass) and are imposed knowledge systems (e.g. the use of software).

SLO4 Oral Communication *Earth Sciences graduates can effectively communicate their knowledge of the Earth system in oral presentation format to various audiences.*

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