Graduates in the Geological Sciences major will demonstrate competency in the subject knowledge of the Geological Sciences in 1) the principles governing the origin, composition, and classification of igneous, sedimentary, and metamorphic rocks; 2) stratigraphic principles applied to interpreting the rock record and sediments, depositional environments and dynamics in the sedimentary record; 3) description and analysis of faults, folds, and fractures, and 4) the principles of hydrogeology as applied to surface and groundwater flow.

Graduates in the Atmospheric Sciences track will demonstrate competency in the subject knowledge of Atmospheric Sciences, in 4) the principles of hydrogeology as applied to surface and groundwater flow; 5) the physics of and distribution of climate; 6) the physics and dynamics of the atmosphere as applied to meteorology; and 7) the physics and distribution of climate.

B.S. graduates will demonstrate competency in using technology in technical areas and to present ideas in oral presentations using Powerpoint (or equivalent) and other media tools.

B.S. graduates will demonstrate their ability to think critically in terms of identifying and summarizing a problem or question, analyzing and examining ideas and research findings, assessing the influence of context, and constructing and interpreting information within the Geological and Atmospheric Sciences.

B.S. graduates will demonstrate effective oral communication skills through their subject knowledge of Geological and Atmospheric sciences, organization of ideas, adequate connection to an audience, efficient delivery, and appropriate use of technology.

X=courses where outcomes are assessed/taught.