# Undergraduate Learning Outcomes

| COMMUNICATION |
| --- |
| Students will use a variety of modes, particularly written, oral, artistic, and visual, to<br>• effectively communicate analysis, knowledge, understanding, expression and/or conclusions<br>• skillfully use high-quality, credible, relevant sources<br>• demonstrate appropriate conventions in a variety of communication situations<br>• demonstrate the ability to communicate effectively with diverse audiences in a variety of contexts |
| **CRITICAL THINKING, CREATIVE THINKING, AND PROBLEM SOLVING** |
| Students will<br>• explain the nature of evidence used for analysis<br>• apply quantitative and qualitative methods to collect and analyze data<br>• apply creativity and divergent thinking<br>• evaluate the assumptions, evidence, and logic of competing views and explanations<br>• identify methods of inquiry, approaches to knowledge, and their assumptions and limitations in multiple disciplines<br>• evaluate, synthesize, and apply evidence to understand and address complex, real world problems<br>• generate creative, reasoned, approaches or solutions to unscripted, real world problems |
| **TECHNOLOGY** |
| Students will<br>• apply technology to demonstrate creativity and solve problems<br>• use technology to enhance understanding<br>• identify the social, aesthetic, and ethical implications of technological decisions<br>• analyze how technology shapes, limits, and augments our experiences and understandings |
| **NATURAL AND PHYSICAL WORLDS** |
| Students will<br>• analyze components and dynamics of natural and physical worlds<br>• develop models to explain phenomena within the natural and physical worlds<br>• identify the role of scientific methods in the study of natural and physical worlds |
| **HUMAN SOCIETIES** |
| Students will<br>• identify the nature and impact of aesthetic and creative activities in human experience<br>• analyze the interplay of self and society, particularly how social structures shape human experiences and how humans shape social structures<br>• analyze the components and dynamics of human societies in their artistic, cultural, and historical contexts<br>• apply theories or research methods to understand human events, identities, artifacts, or social structures<br>• engage in a creative, aesthetic, or artistic activity |
| **DIVERSITY AND GLOBAL PERSPECTIVES** |
| Students will<br>• identify how  values and contributions  of diverse societies provide contexts for individual experiences, values, ideas, artistic expressions, and identities<br>• identify the role diversity plays in the ability of biological organisms to adapt to a changing environment<br>• analyze how diversity contributes to and shapes solutions to challenges confronting the global community<br>• evaluate how diverse systems (both natural and human-made), technologies, or innovations emerge from, interact with, and affect various communities<br>• collaborate with others in diverse interpersonal, intercultural, or international settings |
| **PERSONAL AND SOCIAL RESPONSIBILITY** |
| Students will<br>• examine their own values, biases, and conclusions<br>• analyze the ethical basis for and implications of personal, professional, and civic decisions<br>• comprehend and demonstrate appropriate standard of professional behavior<br>• identify stewardship of the land and its people as integral to a land-grant university<br>• analyze human impacts on the world and the importance of sustaining its resources for future generations<br>• engage in service learning |