

Example of MnTC Goal Area Cross-Walk with Course Competencies

Course: CC 1000 ~ Introduction to Unicorns

Goal Area: 3 – Natural Sciences

Goal 3: Natural Sciences

Goal: To improve students' understanding of natural science principles and of the methods of scientific inquiry, i.e., the ways in which scientists investigate natural science phenomena. As a basis for lifelong learning, students need to know the vocabulary of science and to realize that while a set of principles has been developed through the work of previous scientists, ongoing scientific inquiry and new knowledge will bring changes in some of the ways scientists view the world. By studying the problems that engage today's scientists, students learn to appreciate the importance of science in their lives and to understand the value of a scientific perspective. Students should be encouraged to study both the biological and physical sciences.

Students will be able to:

1. Demonstrate understanding of scientific theories.
2. Formulate and test hypotheses by performing laboratory, simulation, or field experiments in at least two of the natural science disciplines. One of these experimental components should develop, in greater depth, students' laboratory experience in the collection of data, its statistical and graphical analysis, and an appreciation of its sources of error and uncertainty.
3. Communicate their experimental findings, analyses, and interpretations both orally and in writing.
4. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

MnTC Competency	Course Competencies:
1	Identify basic biological characteristics of a unicorn.
1	Outline the functions of the main systems of a unicorn.
2	Describe the process by which a unicorn produces rainbow droppings.
3	Explain the communication techniques unicorns use with other magical creatures.
4	Analyze the social stratification of the magical beasts of the forest, specifically as it pertains to unicorns.
4	Examine the placement of the unicorn within the Magical Creatures Hierarchy.
-	Create a map showing where unicorns can be most easily found.
-	Summarize reported human-unicorn encounters.
2	Design a plan for effectively locating, capturing, and taming a wild unicorn.