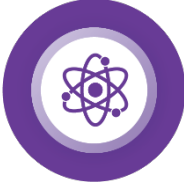



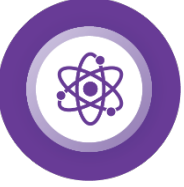

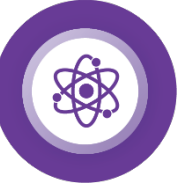



General Education Learning Outcomes for Mathematics

The goal of General Education Mathematics requirement is to provide a learning environment for students to better understand and explore the world by utilizing mathematical principles and formal reasoning. Students will apply mathematics by analyzing and evaluating both the process and the solutions for conceptual and everyday situations. Students will demonstrate knowledge of mathematics through relevant mathematical modeling, problem solving, critical thinking skills, and the use of appropriate technologies.

Category Learning Outcomes	Primary Core Competencies
1. Apply mathematical principles or basic statistical reasoning to solve conceptual or applied problems and determine if solutions are reasonable.	 
2. Communicate mathematical concepts using appropriate terminology and symbolic language.	 
3. Analyze the behavior of, and solve, real world problems relating mathematics to other disciplines.	 
4. Use appropriate technology to analyze data and graphs, as well as model real world behavior.	 

Guidelines

For the purposes of the Mathematics requirement, courses will come from disciplines in mathematics. Mathematics courses should be broad in nature, applicable to a variety of majors, and transferable to four-year institutions. Courses should not focus narrowly on the particular skills, techniques and procedures specific to a particular occupation or profession. Students are encouraged to take the math course(s) appropriate for their intended degree or program of study.

Courses satisfying the Mathematics category must meet all category learning outcomes.



Critical Thinking



Ethical Reasoning



Communication



Creative & Artistic Expression



Global & Cultural Awareness



Scientific Inquiry & Mathematical Reasoning

Core Competency Constellation



Information Literacy