



# Course Competency Report by Code

Code: C291

## Applications of Science, Technology, and Society (C291)

Course of Study: C291 - Applications of Science, Technology, and Society  
Course Level: Undergraduate  
Course Division: Senior  
Discipline: Education  
Course Type: One Assessment  
Department: Education

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
663.1.1	Common Themes in Science	The graduate analyzes the relationships among themes that appear across multiple scientific ideas.
663.1.2	Nature of Science	The graduate analyzes the nature of science, including how science distinguishes itself from other ways of knowing.
663.1.3	Historical Development of Science	The graduate analyzes the historical development of science, including how scientific knowledge evolves.
663.1.4	Interrelationship of Science, Technology, and Society	The graduate analyzes the various ways in which science, technology, and society are interrelated.
663.1.5	Analyzing Issues and Making Decisions	The graduate analyzes socially relevant scientific issues to make informed decisions based on data and context.
663.1.6	Investigations in Science	The graduate analyzes the principles, processes, and assumptions of investigations in science to engage students in the nature of inquiry.
663.1.7	Improving Investigations and Communication	The graduate uses technology tools and mathematics to improve investigations and the communication of results.
663.1.8	Hypotheses and Scientific Investigations	The graduate formulates testable hypotheses for scientific investigations.
663.1.9	Designing and Conducting Investigations	The graduate conducts investigations in science to solve open-ended problems using appropriate scientific methods.