



Course Competency Report by Code

Code: C290

Fundamentals of Science, Technology and Society (C290)

Course of Study: C290 - Fundamentals 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. |