EGR 101 - INTRODUCTION TO ENGINEERING

Course Description
This course is a general overview of the field of engineering. Emphasis is on curricula, categories of engineering and the role of the engineer. Required for all first-year students in the engineering program. Group 2 course.

Credit Hours
1

Contact Hours
1

Lecture Hours
1

Recommended Prerequisites or Skills
ENG 111

Competencies

General Education Outcomes supported by this course
Critical Thinking - Direct

Course Learning Outcomes
Knowledge:
• Describe the role of engineers in society.
• Explain the various branches of engineering.
• Describe the role of ethics in engineering.

Application:
• Build on an online profile specific to their career objectives.

Integration:
• Identify the skill requirements to be workforce ready.

Human Dimension:
• Apply ethical and moral frameworks to case studies.

Caring-Civic Learning:
• Contrast their own perspectives to moral decision making frameworks.

Learning How to Learn:
• Relate technical specifications to decisions in ethics using case studies.