

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 Competencies

ENG 111

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.