

EGR 101 - INTRODUCTION TO ENGINEERING

Course Description

This course is a general overview of the engineering profession with an emphasis on career exploration, basic skills development, and an introduction to the engineering design process through an experiential learning project. Recommended for all first-year engineering students and anyone considering a career in engineering. Group 2 course.

Credit Hours

1

Contact Hours

2

Lab Hours

2

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 design projects.

Caring-Civic Learning:

- Develop solutions to improve the world around them.

Learning How to Learn:

- Relate technical specifications to decisions in ethics using design projects.