ENGR 1200: Introduction to Engineering

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 2
OJT Hours/Week: *.*

Prerequisites:
This course requires any of these five prerequisites
  Writing College Level
  Institutional Defined Writing Waiver
  ENGL 0900 - College Prep Writing (Minimum grade: 2.0 GPA Equivalent and Number of Years Valid: 5)
  ENGL 1410 - Composition I
  ENGL 1460 - Technical Writing

Corequisites: None
MnTC Goals: None

This course provides an overview of the engineering field, covering the engineering profession, the industries in which engineers work, and the engineering method of problem-solving. The course explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. The course presents an introduction to engineering design including fabrication, use of computer packages, and visual, oral, and written communication skills. A spreadsheet program (Microsoft Excel) and a high-level computer language (MATLAB/FREEMAT) are an integral part of the course.

B. COURSE EFFECTIVE DATES: 04/29/2024 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted