

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. ENGR COURSE NUMBER: 1101

NUMBER OF CREDITS: 1 Lecture: _____ Lab: _____

Course Title:
Introduction to Engineering

Catalog Description:
Introduction to Engineering introduces the study of engineering. It cover the keys to success in engineering study, a description of the engineering profession, academic success strategies, and an orientation to the engineering education process.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

Goal 1: Communication: _____ by meeting the following competencies:

Goal 2: Critical Thinking: _____ by meeting the following competencies:

Goal 3: Natural Sciences: _____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: _____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: _____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: _____ by meeting the following competencies:

Goal 7: Human Diversity: _____ by meeting the following competencies:

Goal 8: Global Perspective: _____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: _____ by meeting the following competencies:

Goal 10: People and the Environment: _____ by meeting the following competencies:

Prerequisites or Necessary Entry Skills/Knowledge:

Topics to be Covered (General)
Factors which lead to success in engineering study.
Models for viewing your education.
The engineering profession as a career.
Employment opportunities now and in the future.
Academic success strategies.
Personal development.
Broadening your education.
Orientation to the engineering education process.
The Engineering Method

Student Learning Outcomes
Explore engineering as a career choice.
Examine different strategies for academic success
Apply the Engineering Method

See SAMPLE EXPECTED LEARNING OUTCOMES STATEMENTS and ACTION VERB LIST FOR COURSE OUTCOMES in the Minnesota West Curriculum Development Manual which can be accessed at <https://www.mnwest.edu/faculty-resources/curriculum-manual>

Is this course part of a transfer pathway: Yes <input type="checkbox"/> No X	
<small>*If yes, please list the competencies below</small>	