COURSE TITLE & NUMBER: Introduction to Engineering: ENGR 1010
CREDITS: 2 (2 Lec/0 Lab)
PREREQUISITES: None

CATALOG DESCRIPTION:
This course is an introduction to problem solving methods, engineering curriculum, and computer applications in engineering. In addition, students will explore educational and professional career opportunities.

OUTLINE OF MAJOR CONTENT AREAS:
1. Problem solving
2. Engineering analysis
3. Engineering design
4. Engineering fields
5. Transfer universities
6. Professional development
7. Career planning
   A. Resume'
   B. Education plan
8. Word processing applications
9. Spreadsheet applications
10. Internet use

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will demonstrate an organized problem-solving method.
2. Students will perform engineering analysis.
3. Students will complete engineering design projects.
4. Students will identify opportunities available in engineering.
5. Students will attend lectures by guest engineers.
6. Students will prepare a resume’.
7. Students will develop an educational career plan.
8. Students will complete various word processing assignments.
9. Students will apply functions used in spreadsheets.
10. Students will demonstrate competent and ethical use of the Internet.
11. Students will perform in a team environment.

MNTC GOALS AND COMPETENCIES MET:
HCC COMPETENCIES MET:
Communicating Clearly & Effectively
Social/Civic Responsibility

STUDENT CONTRIBUTIONS:
The student will attend class regularly, participate in class discussion, complete assignments, and laboratory or design projects. The student will spend sufficient time to complete all assignments.

STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

ADDITIONAL INFORMATION:
All homework must be done on engineer's paper.
A scientific calculator with exponential and logarithmic capabilities is required for this course.

Curriculum Committee Approval Date: February 12, 2018

AASC APPROVAL DATE: February 21, 2018
REVIEW DATE: February 2023