

CENTER FOR INNOVATIVE TECHNOLOGIES  
MASTER COURSE DOCUMENT

## **MET 100 Introduction to Mechanical Engineering Technology**

**Course Description:** An orientation to the Mechanical Engineering Technology program and the profession. Topics include: computers and software used in the profession, career opportunities, professional skills, and preparation for cooperative education.

**Prerequisites(s):** AFL 085 and MAT 120, or appropriate placement test scores

**Corequisite(s):** No corequisite

Lecture Hours: 1	Lab Hours: 2	Credit Hours: 2
Lab Fee: 70	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: <input type="checkbox"/> Web	<input type="checkbox"/> Hybrid	<input checked="" type="checkbox"/> Classroom
Semesters Offered: <input checked="" type="checkbox"/> Fall	<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Summer

### **Course Primary Text:**

Title: None	Edition: N/A
Author(s): N/A	
Publisher: N/A	

### **Supplemental Materials:**

Instructor will provide hand-outs and supplementary materials for most topics during the semester

### **Course Outcomes:**

1	The student will be able to apply knowledge, techniques, skills and modern tools of the discipline to narrowly defined engineering technology activities
2	The student will have the ability to conduct standard tests and measurements, and to conduct, analyze and interpret experiments
3	The student will have an ability to function effectively as a team member of a technical team
4	The student will have the ability to identify, analyze, and solve narrowly defined engineering technology problems

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5	The student has the ability to apply written, oral, and graphical communication in both technical and non-technical environments; an ability to identify and use appropriate technical literature
6	The student has an understanding of the need for, and an ability to engage in self-directed continuing professional development
7	The student has an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity
8	The student will demonstrate a commitment to quality, timeliness, and continuous improvement
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**Course Topics:**

Week 1	Week 1: Succeeding in college
Week 2	Applying for a job
Week 3	Resumes
Week 4	Co-operative Education and full-time employment opportunities
Week 5	Co-operative Education and full-time employment opportunities
Week 6	The MET program
Week 7	Financing a College Education
Week 8	Post graduation options
Week 9	MyCstate
Week 10	Microsoft Office: Microsoft Word & Microsoft Powerpoint
Week 11	Microsoft Office: Microsoft Word & Microsoft Powerpoint
Week 12	Microsoft Excel
Week 13	Microsoft Excel
Week 14	Lab Reports

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Week 15	Ethics
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**Methods of Evaluation/Assessment**

☐ Formative: ☒ Summative

List assessment activities (e.g. quizzes, discussions, essays, research papers, debates, oral presentations, exams):

Grading Process: There are weekly assignments (60% of grade), four tests (30% of grade) and attendance and class participation (10% of grade).

Course Keeper: M.DeVore

Date Completed: 8/11/18