

Name: \_\_\_\_\_

Student GID: \_\_\_\_\_

Current Phone: \_\_\_\_\_

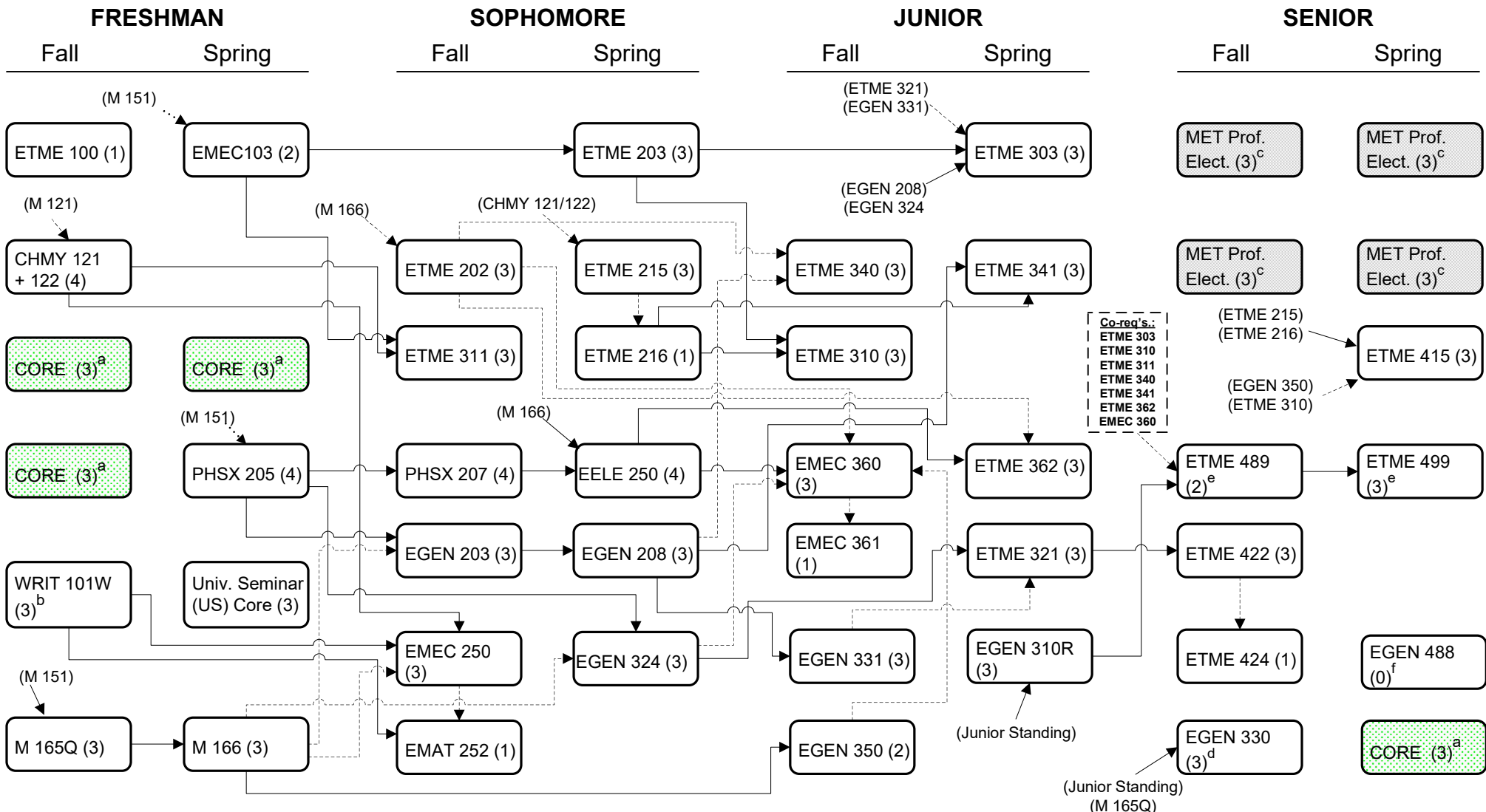
# Mechanical Engineering Technology

## 2024-2025 Catalog

Revised 08-19-2024 Distributed for planning purposes only.

Target Graduation Date: \_\_\_\_\_

Email: \_\_\_\_\_



a – All students must complete an IA, IH, IS and D Core Elective as part of the MSU Core General Curricular Requirements. All other Core requirements are built into the MET curriculum.  
 b – Students who are exempt from MSU writing requirements may substitute WRIT 201, WRIT 221, HONR 201, or HONR 202; or petition for use of additional course with writing content.  
 c – See MET Professional Elective Policy for acceptable courses.  
 d – Substitute EGEN 325 if completing an Engineering Management Minor.  
 e – ETME 489 and ETME 499 MUST be taken in sequential semesters.  
 f – The FE Exam must be taken in the semester prior to students final semester, or during students final semester.

# Mechanical Engineering Technology at Montana State University

## Recommended 4-year Curricular Plan

(for planning purposes only)

Date: \_\_\_\_\_

Student Name: \_\_\_\_\_

Advisor Name: \_\_\_\_\_

### Montana State University - Mechanical & Industrial Engineering

Bachelor of Science in Mechanical Engineering Technology Curriculum (126 credits)  
Updated August 19, 2024

First Year - Freshman					
Fall Semester			Spring Semester		
(F,S) M 165 Q	Calculus for Technology I	3	(F,S,Su) PHSX 205	College Physics I	4
(F) ETME 100	Intro to Mech. Engr. Technology	1	(F,S) M 166 Q	Calculus for Technology II	3
(F,S,Su) CHMY 121+122	Intro to General Chemistry	4	(F,S) EMEC 103	CAE I: Engineering Graphics Communication	2
(F,S,Su) WRIT 101	College Writing I	3	(F,S) US Core	College Seminar (CLS 101 or COMX 111 US, or US 101 US)	3
(F,S,Su) Univ. Core	(D, R/IH, R/IN, or R/IS)	6	(F,S,Su) Univ. Core	(D, R/IH, R/IN, or R/IS)	3
17			15		

Second Year - Sophomore					
Fall Semester			Spring Semester		
(F,S,Su) PHSX 207	College Physics II	4	(F,S) EGEN 324	Applied Thermodynamics	3
(F,S) EGEN 203	Applied Mechanics	3	(F,S) EELE 250	Circuits, Devices, & Motors	4
(F,S) ETME 202	MET Computer Applications	3	(F,S) EGEN 208	Applied Strength of Materials	3
(F,S) EMEC 250	Materials Structures & Properties	3	(F,S) ETME 203	CAE II: Mechanical Design Graphics	3
(F,S) EMEC 250	Materials Structures & Properties Lab	1	(F,S) ETME 215	Manufacturing Processes	3
(F,S) ETME 311	Joining Processes	3	(F,S) ETME 216	Manufacturing Processes Lab	1
17			17		

Third Year - Junior					
Fall Semester			Spring Semester		
(F,S,Su) EGEN 350	Applied Engr. Data Analysis	2	(F,S) ETME 321	Applied Heat Transfer	3
(F,S) ETME 340	Mechanisms	3	(F,S) ETME 362	Applied Electronics & Power for Mechanical Systems	3
(F,S) EGEN 331	Applied Mechanics of Fluids	3	(F,S) ETME 341	Machine Design	3
(F,S) ETME 310	Machining and Industrial Safety	3	(F,S) ETME 303	CAE Tools in Mechanical Design	3
(F,S) EMEC 360	Measurements & Instrumentation	3	(F,S,Su) EGEN 310R	Multidisciplinary Engineering Design	3
(F,S) EMEC 361	Msmts and Instr. Lab	1			
15			15		

Fourth Year - Senior					
Fall Semester			Spring Semester		
(F,S) ETME 422	Principles of HVAC I	3	(S) ETME 415	Design for Manufacturing and Tooling	3
(F,S) ETME 424	Thermal Processes Lab	1	(F,S) ETME 499	Capstone: MET Design II	3
(F,S) ETME 489	Capstone: MET Design I	2	(F,S)	Professional Electives	6
(F,S,Su) EGEN 330	Business Fund. for Engineers	3	(F,S,Su) Univ. Core	(D, R/IH, R/IN, or R/IS)	3
(F,S,Su)	Professional Electives	6	(F,S) EGEN 488	Fundamentals of Engineering Exam	0
15			15		

**Comments:**

### Coursework Plan for Semester \_\_\_\_\_/Yr. \_\_\_\_\_

Course	cr.
Total credits	

### Coursework Plan for Semester \_\_\_\_\_/Yr. \_\_\_\_\_

Course	cr.
Total credits	

### Coursework Plan for Semester \_\_\_\_\_/Yr. \_\_\_\_\_

Course	cr.
Total credits	

### Coursework Plan for Semester \_\_\_\_\_/Yr. \_\_\_\_\_

Course	cr.
Total credits	

**Students must ensure all pre-requisites and co-requisites are met. See flowchart on previous page or the MSU Course Catalog for details.**