

Name: _____

Student GID: _____

Current Phone: _____

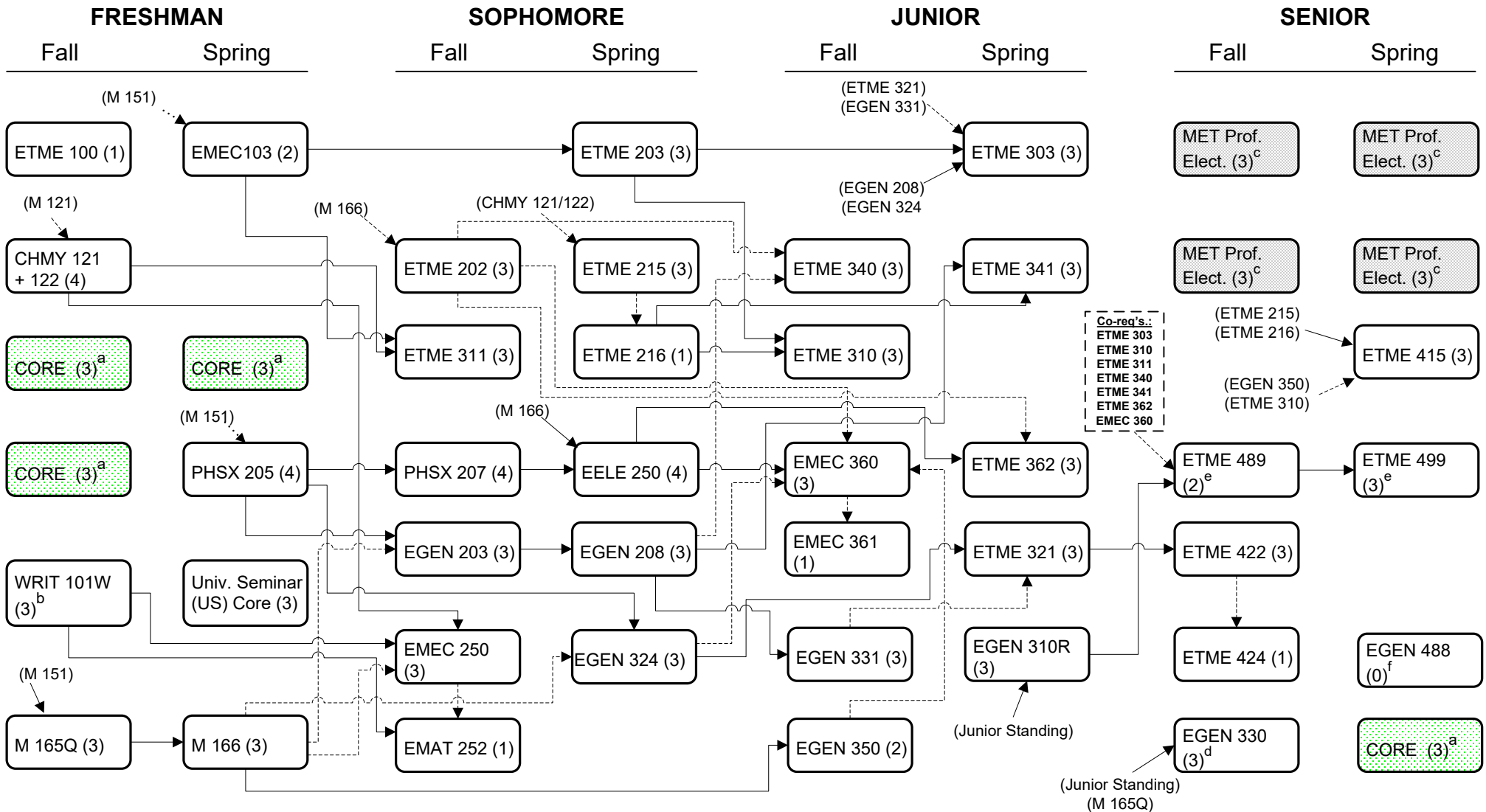
Mechanical Engineering Technology

2023-2024 Catalog

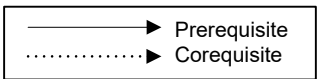
Revised 06-07-2023 Distributed for planning purposes only.

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 June 7, 2023

First Year - Freshman

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

Second Year - Sophomore

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

Third Year - Junior

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

Fourth Year - Senior

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

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	

Comments:

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