

MET 2nd Bachelor's Degree Course Requirements (when combined with ME program)

Mechanical Engineering Students in the 2016-2017 catalog must meet the following requirements to qualify for a 2nd Bachelor of Science Degree in Mechanical Engineering Technology (MET).

Complete the following courses:

Course Number	Title	Credits	Date Completed / Comments
ETME 203	Mechanical Design Graphics	3	
ETME 310	Machining and Industrial Safety	3	
ETME 311	Joining Processes	3	
ETME 340	Mechanisms	4	
ETME 303	CAE Tools in Mech. Design	3	
ETME 422	Principles of HVAC I	3	
ETME 415	Design for Manufacturing & Tooling	3	
ETME 424	Thermal Processes Lab	1	

In addition, each student must complete a minimum of three professional elective courses (9 credits); two (6 credits) of which are from the following list, and one (3 credits) is from the approved MET Professional Elective list:

Course	Title	Credits	Date Completed / Comments
ETME 309	Building Information Modeling in MEP	6	
ETME 327	Energy Assessment Lab		
ETME 410	CNC & CAM Technology		
ETME 423	Principles of HVAC II		
ETME 430	Fluid Power Systems Design		
ETME 462	Industrial Process Automation		
ETME 470	Renewable Energy Applications		
ETME 460	Advanced Instrumentation		
ETME 498	Internship		

MET as a 2nd Major students should be enrolled in an EMEC 489 /499 group that includes MET students enrolled in ETME 489 / 489.

Total Additional credits = 32 of which 29 are upper division (university requirement is 30 additional credits, of which 9 are upper division)

Students also must meet all university requirements (<http://www.montana.edu/wwwcat/requirements/reqs2.html>), as well as complete an Application for a Second Major Form:

http://www.montana.edu/registrar/documents/pdfs/2nd_major_app.pdf

Applicant Name: _____ **GID:** _____ **Date:** _____

Approvals:

MET Advisor Signature: _____ Date: _____

ME Advisor Signature: _____ Date: _____

Department Head: Signature: _____ Date: _____

Recommended Schedule:

MET as a 2nd Degree for ME majors
2016-2017 Bulletin (12/09/16)

Year 1

Fall	Cr.	Spring	Cr.
EMEC 100	1	PHSX 220	4
		CHMY 141	4
EMEC 103	2		
M 171	4	M 172	4
US Core	3	W Core	3
Core 1	3	Core 3	3
Core 2	3		
	16		18

Year 3

Fall	Cr.	Spring	Cr.
EMEC 341	3	EMEC 342	3
EGEN 350	2		
EELE 250	4	ETME 310	3
EGEN 335	3		
EMEC 303	3		
		EGEN 330	3
		ETME 303	3
		ETME 311	3
	15		15

Year 5

Fall	Cr.	Spring	Cr.
EMEC 489	2	EMEC 499	3
EMEC 425	3	Core #4	3
EMEC 445	3	EMEC 405	4
ETME 422	3	ETME 424	1
MET PE #2	3	MET PE #3	3
ME PE #3	3	ME PE #4	2
		ENGR 499	0
	17		16

Year 2

Fall	Cr.	Spring	Cr.
PHSX 222	4	EGEN 202	3
EGEN 201	3	EGEN 205	3
M 273	4	M 274	4
EMEC 250	3	ETME 215	3
EMAT 252	1	ETME 217	1
EMEC 203	2		
		ETME 203	3
	17		17

Year 4

Fall	Cr.	Spring	Cr.
MET PE #1	3	ETME 415	3
ENGR 310	3	EMEC 360	3
EMEC 320	3	EMEC 361	1
ME PE #1	3	EMEC 321	3
ME PE #2	3	EMEC 326	3
	15		13

ME Total Credits = 128
MET 2nd Degree Credits = 31
Total Credits = 159