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

Mechanical Engineering Students in the 2018-2019 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- see MET PE Policy on the M&IE website.

Course	Title	Credits	Date Completed / Comments
ETME 309	Building Information Modeling in MEP		
ETME 327	Energy Assessment Lab		
ETME 410	CNC & CAM Technology		
ETME 423	Principles of HVAC II		
ETME 425	Building Systems	6	
ETME 430	Fluid Power Systems Design		
ETME 462	Industrial Process Automation		
ETME 470	Renewable Energy Applications		
ETME 460	Advanced Instrumentation		
ETME 498	Internship		

One course	Approved MET PE	3	

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:

YEAR 1

Fall	Cr	Spring	Cr
EMEC 100	1	M 172Q	4
EMEC 103	2	PHSX 222	4
M 171Q	4	CHMY 141	4
PHSX 220	4	WRIT 101W	3
US Core	3	Core #2	3
Core #1	3		
	17		18

YEAR 2

Fall	Cr	Spring	Cr
M 273Q	4	M 274	4
EGEN 201	3	EGEN 202	3
EMEC 250	3	EGEN 205	3
EMAT 252	1	ETME 215	3
EMEC 203	2	ETME 216	1
Core #3	3	ETME 203	3
	16		17

YEAR 3

Fall	Cr	Spring	Cr
EMEC 341	3	EMEC 320	3
EGEN 350	2	EMEC 342	3
EELE 250	4	EGEN 310R	3
EGEN 335	3	EMEC 360	3
EMEC 303	3	EMEC 361	1
		ETME 310	3
	15		16

YEAR 4

Fall	Cr	Spring	Cr
EMEC 321	3	EMEC 445	3
EMEC 326	3	EGEN 330	3
ETME 340	4	ETME 415	3
ETME 303	3	ETME 422	3
ETME 311	3	ETME 424	1
		Core #4	3
	16		16

YEAR 5

Fall	Cr	Spring	Cr2
EMEC 489R	2	EMEC 499R	3
MET PE #1 (list)	3	ME PE #1	3
MET PE #2 (list)	3	ME PE #2	3
MET PE #3	3	ME PE #3	3
EMEC 405/436	3	ME PE #4	3
		EGEN 488	0
	14		15

TOTAL CREDITS REQUIRED: 158