MECHATRONICS TECHNOLOGY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

Requirement	Credits
Requirements for the Minor	18-23

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Additional Courses		
Additional Courses: Require a grade of C or better		
EET 311	Alternating Current Circuits	3-4
or EET 315	Linear and Discrete System Analysis	
Select one of the following:		3
EMCH 211	Statics	
ET 300	Mechanics I: Statics	
MET 111	Mechanics for Technology: Statics	
Supporting Courses and Related Areas		
Supporting Courses and Related Areas: Require a grade of C or better		
Select 6-8 credits of the following: [1]		6-8
Group A		
EE 310	Electronic Circuit Design I	
or EET 212W	Op Amp and Integrated Circuit Electronics	
Select one of the following sequences:		
CMPEN 271 & CMPEN 275	Introduction to Digital Systems and Digital Design Laboratory	
CMPET 117 & CMPET 120	Digital Electronics and Digital Electronics Laboratory	
Group B		
Select one of the following:		
EET 341	Measurements and Instrumentation	
EMET 330	Measurement Theory and Instrumentation	
ME 345	Instrumentation, Measurements, and Statistics	
ME 345W	Instrumentation, Measurements, and Statistics	
MET 341	Mechanical Measurements and Instrumentation	
Select one of the following:		
EMCH 212	Dynamics	
ET 321	Dynamics	
MET 206	Dynamics	
Select one course each from the following categories:		6-8
Category I		
CMPEH 472	Microcontrollers	
EE 485	Energy Systems and Conversion	
Category II		
EET 433	Control System Analysis and Design	
EET 440	Applied Feedback Controls	
EMET 410	Automated Control Systems	
MET 454	Automatic Controls	
MET 455		

[1] Students graduating with an MET major should take 8 credits from Group A; students graduating with an EET major should take 6-7 credits from Group B; all other students should take one course from each group, totaling 7-8 credits.