

Miami University

Department of Engineering Technology - Mechanical Engineering Technology

2023-2024 AAS					
	REQUIRED COURSES:	Semester Hours	Type of Credit	CTAN	ODE High School Course Alignment
Year One/Fall Semester					
ENT 137	Introduction to Engineering Technology	1			
ENT 135	Computer Aided Drafting	3	CTAG*	CTMET005	175001 Engineering Design
ENT 151	Engineering Materials	3			
MTH 124	Trigonometry	3	CCP Option		
ENG 111	Composition and Rhetoric	3	CCP Option		
Year One/Spring Semester					
ENT 152	Computer Aided Manufacturing I	3	CTAG	CTMET004	175003 Manufacturing Operations
ENT 271	Mechanics I: Statics	3			
CSE 163	Introduction to Computer Concepts and Programming	3			
MTH 151	Calculus I	4			
PHY 161	Physics for the Life Sciences with Laboratory I	4			
Year Two/Fall Semester					
ENT 235	Computer-Aided Design	3	CTAG*	CTMET005	175001 Engineering Design
ENT 252	Computer-Aided Manufacturing II	3			
ENT 272	Mechanics II: Strength of Materials	3			
PHY 162	Physics for the Life Sciences with Laboratory II	4			
EGS 215	Workplace Writing	3			
Year Two/Spring Semester					
ENT 192	Circuit Analysis I	3	CTAG	CTEET001	175105 DC Electronic Circuits
ENT 278	Mechanics III: Analysis of Machine Components	3			
ECO 201 OR	Principles of Microeconomics OR				
ECO 202	Principles of Macroeconomics	3			
STC 136	Introduction to Interpersonal Communication	3			
Elective PA-4	Global, DEI, Intercultural	3			
Elective	Elective	0-3			
COLLEGE CREDIT OPPORTUNITY - depends on high school course completion					
	College Course Name	Credit Hours	Credit Type	Postsecondary	ODE High School Course Alignment
ENT 152	Computer Aided Manufacturing I	3	CTAG	Miami University	175003 Manufacturing Operations
ENT 135* OR	Computer Aided Drafting OR				
ENT 235*	Computer-Aided Design	3	CTAG	Miami University	175001 Engineering Design
ENT 192	Circuit Analysis I	3	CTAG	Miami University	175105 DC Electronic Circuits
ENG 111	Composition and Rhetoric	3	CCP Option	Miami University	
MTH 124	Trigonometry	3	CCP Option	Miami University	
*Credit for ENT 135 OR 235.					
See the Miami Bulletin for Course Descriptions					

This program feeds seamlessly into the Bachelor of Science in Applied Science degree at Miami University