

Cleveland State University  
Washkewicz College of Engineering  
Bachelor of Science Mechanical Engineering Technology (BSMET)

**Curriculum Sheet (Effective Fall 2025)**

Fall Semester	Cr.	Type	Spring Semester	Cr.	Type
ENG 100 Intensive College Writing, or ENG 101 College Writing I	3	FYV	ENG 102 Technical Writing and Prof. Comm., or ESC 102 College Writing II	3	RPW
MTH 148 Math for Business Majors I <sup>1</sup>	3	FQR	MTH 149 Math for Business Majors II	4	FQR
GET 255 Introduction to Robotics	3		PHY 221 College Physics	5	SI
EET 205 DC Circuits	3		Core Curriculum Elective <sup>2</sup>	3	
INQ 170 Engineering Launch	3	IL			
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>15</b>	

Fall Semester	Cr.	Type	Spring Semester	Cr.	Type
MET 201 Statics for Engineering Tech	3		MET 202 Dynamics for Eng Tech	3	
CHM 251 College Chemistry I	3	SI	GET 315 Adv Programming Methods	3	
CHM 256 College Chemistry Lab I	1	SIL	MCE 181 Computer Aided Eng Lab II	2	
GET 285 Science of Alt Energy	3		Core Curriculum Elective <sup>2</sup>	3	
MCE 180 Computer Aided Eng Lab I	2		Communications Elective	3	
Core Curriculum Elective <sup>2</sup>	3				
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>14</b>	

Fall Semester	Cr.	Type	Spring Semester	Cr.	Type
MTT 300 Applied Math	3		MTT 301 Advanced Applied Math	3	
MET 320 Mechanics of Materials	3		MET 330 Adv Dynamics & Vibrations	3	
MET 345 Thermodynamics	3		MET 350 Fluids	3	
PHY 215 Technology Ethics	3	HCC	MET 351 Thermal Fluids Lab	1	
Business Elective	3		Program Technical Elective	3	
			Core Curriculum Elective <sup>2</sup>	3	
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>16</b>	

Fall Semester	Cr.	Type	Spring Semester	Cr.	Type
MET 410 Design of Machine Elements	3		GET 430 Elect Power, Controls, & Instrumentation	3	
MET 411 Mech Measurements Lab	1		GET 431 Elect Power C&I Lab	1	WAC
MET 420 Heat Transfer	3		Program Specialization Elective <sup>3</sup>	3	
MET 445 Solid Modeling Applications	3		MET 480 Senior Design B	3	CAP
MET 470 Senior Design A	1	SPAC	Program Technical Elective	3	
Program Technical Elective	3		Open Elective	3	
<b>Semester Total</b>	<b>14</b>		<b>Semester Total</b>	<b>16</b>	

**Total MET Degree Hours = 120**

Notes and Key
<b>Core Curriculum Key:</b> IL = Inquiry Launch, FYV = Finding Your Voice, RPW = Research & Professional Writing, AAHC = African-American History and Culture, FQR = Formal & Quantitative Literacy, HCC = Human Culture & Creativity, GHP = Global Human Perspectives, SHB = Society & Human Behavior, SI = Scientific Inquiry, SIL = Scientific Investigations (Lab), DS = Diverse Society, DDL = Data & Digital Literacy, CAP = Capstone, SPAC = Speaking Across the Curriculum, WAC = Writing Across the Curriculum
<b>1:</b> MTH 165 and MTH 167 also satisfy this requirement
<b>2:</b> Core Curriculum Electives include one each of AAHC, GHP, SHB, DS
<b>3:</b> Program Specialization Elective is selected from MET 450 Mechanical System Design, GET 455 Robotic System Design, or MET 460 Thermal System Design
University Requirement of Foreign Language must be met by either successfully completing two (2) years of the same language in high school; or two (2) semesters of the same language in college; or passing CSU's language placement test in reading, writing, and speaking of a second language other than English.

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Cleveland State University  
Washkewicz College of Engineering  
Bachelor of Science Mechanical Engineering Technology (BSMET)  
**Co-Op Curriculum Sheet**  
**(Effective Fall 2025)**

<b>First Year</b>								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
ENG 100 Intensive Writing, or ENG 101 College Writing I	3	FYV	ENG 102 Tech Writing and Prof. Comm., or ESC 102 College Writing II	3	RPW			
MTH 148 Math for Business Majors I <sup>1</sup>	3	FQR	MTH 149 Math for Business Majors II	4	FQR			
GET 255 Intro to Robotics	3		PHY 221 College Physics	5	SI			
EET 205 DC Circuits	3		Core Curriculum Elective <sup>2</sup>	3				
INQ 170 Engineering Launch	3	IL						
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>0</b>	

<b>Second Year</b>								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
MET 201 Statics for Engineering Tech	3		MET 202 Dynamics for Eng Tech	3		ESC 400 Co-Op <sup>3</sup>	1	
CHM 251 College Chemistry I	3	SI	GET 315 Adv Programming Methods	3				
CHM 256 College Chemistry Lab I	1	SIL	MCE 181 Computer Aided Eng Lab II	2				
GET 285 Science of Alt Energy	3		Core Curriculum Elective <sup>2</sup>	3				
MCE 180 Computer Aided Eng Lab I	2		Communications Elective	3				
Core Curriculum Elective <sup>2</sup>	3		ESC 130 Eng Coop Orientation	1				
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>1</b>	

<b>Third Year</b>								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
MTT 300 Applied Math	3		ESC 300/400 Co-Op <sup>3</sup>	1				
MET 320 Mechanics of Materials	3							
MET 345 Thermodynamics	3							
PHY 215 Technology Ethics	3	HCC						
Business Elective	3							
<b>Semester Total</b>	<b>15</b>		<b>Semester Total</b>	<b>1</b>		<b>Semester Total</b>	<b>0</b>	

<b>Fourth Year</b>								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
ESC 300/400 Co-Op <sup>3</sup>	1		MTT 301 Advanced Applied Math	3				
			MET 330 Adv Dynamics & Vibrations	3				
			MET 350 Fluids	3				
			MET 351 Thermal Fluids Lab	1				
			Core Curriculum Elective <sup>2</sup>	3				
			Open Elective	3				
<b>Semester Total</b>	<b>1</b>		<b>Semester Total</b>	<b>16</b>		<b>Semester Total</b>	<b>0</b>	

<b>Fifth Year</b>								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
MET 410 Design of Machine Elements	3		GET 430 Elect Power, Controls, & Instrumentation	3				
MET 411 Mech Measurements Lab	1		GET 431 Elect Power C&I Lab	1	WAC			
MET 420 Heat Transfer	3		Program Specialization Elective <sup>4</sup>	3				
MET 445 Solid Modeling Applications	3		MET 480 Senior Design B	3	CAP			
MET 470 Senior Design A	1	SPAC	Program Technical Elective	3				
Program Technical Elective	3							
<b>Semester Total</b>	<b>14</b>		<b>Semester Total</b>	<b>13</b>		<b>Semester Total</b>	<b>0</b>	

**Total MET + Co-Op Degree Hours = 121**

<b>Notes and Key</b>								
<b>Core Curriculum Key:</b> IL = Inquiry Launch, FYV = Finding Your Voice, RPW = Research & Professional Writing, AAHC = African-American History and Culture, FQR = Formal & Quantitative Literacy, HCC = Human Culture & Creativity, GHP = Global Human Perspectives, SHB = Society & Human Behavior, SI = Scientific Inquiry, SIL = Scientific Investigations (Lab), DS = Diverse Society, DDL = Data & Digital Literacy, CAP = Capstone, SPAC = Speaking Across the Curriculum, WAC = Writing Across the Curriculum								
1: MTH 165 and MTH 167 also satisfy this requirement								
2: Core Curriculum Electives include one each of AAHC, GHP, SHB, DS								
3: ESC 300 is six (6) credits, but it will only be charged as one (1) credit for tuition and will only count as one (1) credit toward the degree, as a technical elective credit. ESC 400 will be charged as one (1) credit for both tuition and toward the degree, as a technical elective credit.								
4: Program Specialization Elective is selected from MET 450 Mechanical System Design, GET 455 Robotic System Design, or MET 460 Thermal System Design								
University Requirement of Foreign Language must be met by either successfully completing two (2) years of the same language in high school; or two (2) semesters of the same language in college; or passing CSU's language placement test in reading, writing, and speaking of a second language other than English.								

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