

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

Curriculum Sheet (Effective Fall 2025)

First Year						
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 ¹	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 ²	3		
INQ 170 Engineering Launch*	3	IL				
Semester Total	15		Semester Total	15		

Second Year						
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 ²	3		
MCE 180 Computer Aided Eng Lab I	2		Communications Elective	3		
Core Curriculum Elective ²	3					
Semester Total	15		Semester Total	14		

Third Year						
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		
PHL 215 Technology Ethics	3	HCC	MET 351 Thermal Fluids Lab	2		
Business Elective	3		Program Technical Elective	3		
			Core Curriculum Elective ²	3		
Semester Total	15		Semester Total	17		

Fourth Year						
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		MET 450 Mechanical System Design	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		
Semester Total	14		Semester Total	16		

Total Credit Hours = 121

* INQ 170 is required for all engineering, technology, and computer science majors, and meets the Core Curriculum requirement for Inquiry Launch. ESC 120 is required in place of INQ 170 in the following cases: (a) transfer students; however, those who have had co-op experience in engineering/computer science and/or have transferred 12 credits of engineering/computer science courses can petition to waive ESC 120; (b) students who, as freshmen at CSU, started in another major and completed an Inquiry Launch course different from INQ 170; (c) Honors students who take the Honors Inquiry Launch course. Neither INQ 170 nor ESC 120 is required for transfer students with an Associates of Applied Science degree.

Notes and Key
Core Curriculum Key: IL = Inquiry Launch, FYV = Finding Your Voice, RPW = Research & Professional Writing, ACL = American Civic Literacy, FQR = Formal & Quantitative Literacy, HCC = Human Culture & Creativity, GHP = Global Human Perspectives, SHB = Society & Human Behavior, SI = Scientific Inquiry, SIL = Scientific Investigations (Lab), CPS = Complexities of Pluralistic 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 ACL, GHP, SHB, CPS
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.

This information is provided solely for the convenience of the reader, and the University disclaims any liability which may otherwise be incurred. This publication is neither a contract nor an offer to make a contract. While every effort has been made to ensure accuracy, the University reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, and any other subject addressed here.

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

First Year								
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 ¹	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 ²	3				
INQ 170 Engineering Launch*	3	IL						
Semester Total	15		Semester Total	15		Semester Total		

Second Year								
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 Fenn Co-op Education Exper	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 ²	3				
MCE 180 Computer Aided Eng Lab I	2		Communications Elective	3				
Core Curriculum Elective ²	3		ESC 130 Engr & Comp Sci Career Prep	1				
Semester Total	15		Semester Total	15		Semester Total		

Third Year								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
MTT 300 Applied Math	3		ESC 400 Fenn Co-op Education Exper	1				
MET 320 Mechanics of Materials	3							
MET 345 Thermodynamics	3							
PHL 215 Technology Ethics	3	HCC						
Business Elective	3							
Semester Total	15		Semester Total			Semester Total		

Fourth Year								
Fall Semester	Cr.	Type	Spring Semester	Cr.	Type	Summer Semester	Cr.	Type
ESC 400 Fenn Co-op Education Exper	1		MTT 301 Advanced Applied Math	3				
			MET 330 Adv Dynamics & Vibrations	3				
			MET 350 Fluids	3				
			MET 351 Thermal Fluids Lab	2				
			Core Curriculum Elective ²	3				
			Open Elective	3				
Semester Total			Semester Total	17		Semester Total		

Fifth Year								
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		MET 450 Mechanical System Design	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		Program Technical Elective**	3				
Semester Total	14		Semester Total	16		Semester Total		

Total Credit Hours = 122

* INQ 170 is required for all engineering, technology, and computer science majors, and meets the Core Curriculum requirement for Inquiry Launch. ESC 120 is required in place of INQ 170 in the following cases: (a) transfer students; however, those who have had co-op experience in engineering/computer science and/or have transferred 12 credits of engineering/computer science courses can petition to waive ESC 120; (b) students who, as freshmen at CSU, started in another major and completed an Inquiry Launch course different from INQ 170; (c) Honors students who take the Honors Inquiry Launch course. Neither INQ 170 nor ESC 120 is required for transfer students with an Associates of Applied Science degree.

** Completion of three ESC 300/400 Co-op semesters may be chosen to count in place of a Program Technical Elective.

Notes and Key
Core Curriculum Key: IL = Inquiry Launch, FYV = Finding Your Voice, RPW = Research & Professional Writing, ACL = American Civic Literacy, FQR = Formal & Quantitative Literacy, HCC = Human Culture & Creativity, GHP = Global Human Perspectives, SHB = Society & Human Behavior, SI = Scientific Inquiry, SIL = Scientific Investigations (Lab), CPS = Complexities of Pluralistic 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 ACL, GHP, SHB, CPS
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.

This information is provided solely for the convenience of the reader, and the University disclaims any liability which may otherwise be incurred. This publication is neither a contract nor an offer to make a contract. While every effort has been made to ensure accuracy, the University reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, and any other subject addressed here.