

**2023-2024**  
**BS: MANUFACTURING ENGINEERING TECHNOLOGY**  
**MINNESOTA STATE UNIVERSITY, MANKATO**

**Required for Major (Core courses, 62 Credits):**

			<b>F23</b>	<b>SP24</b>	<b>SS24</b>	
<input type="checkbox"/>	MET	104	Introduction to Manufacturing Engineering Technology (1)	X		
<input type="checkbox"/>	MET	142	Introduction to Parametric Modeling (3)	X	X	
<input type="checkbox"/>	MET	275	Manufacturing Process I (4) Pre: MET 142, CHEM 104	X	X	
<input type="checkbox"/>	MET	323	Statics (3) Pre: PHYS 211, MATH 121	X	X	
<input type="checkbox"/>	MET	324	Strength of Materials and Dynamics (4) Pre: MET 323	X	X	
<input type="checkbox"/>	AET	334	Fluid Power (3) Pre: Math 121, Phys 211	X	X	
<input type="checkbox"/>	MET	341	Advanced Parametric Modeling (3) Pre: MET 142	X	X	
<input type="checkbox"/>	MET	347	Manufacturing Automation (4) Pre: MET 275; MET 341; EET 113		X	
<input type="checkbox"/>	MET	375	Manufacturing Process II (4) Pre: MET 275	X	X	
<input type="checkbox"/>	MET	386	Metrology for Engineering Technologist (3) Pre: MATH 121, MET 341, STAT 154; Admission to AET/MET Major	X		
<input type="checkbox"/>	MET	407	Manufacturing Resource Planning & Control (3)	X		
<input type="checkbox"/>	MET	423	Ergonomics & Work Measurement (3) Pre: STAT 154		X	
<input type="checkbox"/>	MET	424	Industrial Safety (2)	X		
<input type="checkbox"/>	MET	425	Project and Value Management (3) Pre: STAT 154	X		
<input type="checkbox"/>	MET	426	Logistics & Transportation (3) Pre: STAT 154	X		
<input type="checkbox"/>	MET	427	Quality Management Systems (3) Pre: STAT 154		X	
<input type="checkbox"/>	MET	428	Lean Manufacturing (3)		X	
<input type="checkbox"/>	MET	448	Computer Integrated Manufacturing (3) Pre: MET 347, PHYS 212	X		
<input type="checkbox"/>	MET	455	Project and Value Management II (3) Pre: MET 425		X	
<input type="checkbox"/>	MET	488W <sup>2</sup>	Senior Design Project I (2) Pre: ENG 271W, MET 375, MET 425 + 10 AMET credits at the 300-400 level	X		
<input type="checkbox"/>	MET	489W <sup>2</sup>	Senior Design Project II (2) Pre: MET 488		X	

<sup>1</sup>Meets for only part of the semester

<sup>2</sup>Students **MUST** receive special permission before registering

<sup>3</sup>Students **MUST** sign up one year before they plan to take this class

**Required for Major (Communications courses, 11 Credits):**

			<b>F23</b>	<b>SP24</b>	<b>SS24</b>	<b>F24</b>	<b>SP25</b>	
<input type="checkbox"/>	ENG	101**	Foundations of Writing & Rhetoric (4)	X	X	X	X	X
<input type="checkbox"/>	ENG	271W**	Technical Communications (4) Pre: ENG 101	X	X	X	X	X
<input type="checkbox"/>	COMM	100**	Fundamentals of Communication (3) or COMM 102** Public Speaking (3)	X	X	X	X	X

**Required for Major (Basic Science and Mathematics, 29 Credits):**

<input type="checkbox"/>	ECON	202**	Principles of Microeconomics (3)	X	X	X	X	X
<input type="checkbox"/>	EET	113	DC Circuits (3) Coreq: Math 112 or MATH 115t	X	X		X	X
<input type="checkbox"/>	MATH	121**	Calculus I (4) Pre: Grade of "C" or better in MATH 115, or in both MATH 112 & 113, or see Math placement info	X	X	X	X	X
<input type="checkbox"/>	MATH	122	Calculus II (4) Pre: MATH 121 with "C" or better or consent	X	X	X	X	X
<input type="checkbox"/>	STAT	154**	Elementary Statistics (4) Pre: Must achieve a score of 18 or better on MnSCU Math Readiness Test, or have achieved an ACT Math sub score of 19 or higher, or successful completion of MATH 098	X	X	X	X	X
<input type="checkbox"/>	PHYS	211**	Principles of Physics I (4) Pre: Either MATH 112 & MATH 113, or MATH 115	X	X	X	X	X
<input type="checkbox"/>	PHYS	212	Principles of Physics II (4) Pre: PHYS 211	X	X		X	X
<input type="checkbox"/>	CHEM	104**	Introduction to Chemistry (3)	X	X	X	X	X

\*\*These 29 credits will also count in General Education.

- All courses in the MET Major, and the required Communications, Basic Science and Mathematics courses must be completed with a grade of "C" or better.
- Pre-requisites must be followed unless written permission is obtained from the AMET Department.
- Required for Admission to the Major: MET 104, 142, 275; CHEM 104; COMM 100 or 102; EET 113; ENG 101; MATH 121; PHYS 211; STAT 154

Most current schedule is available at the AMET Office, TR E-205, (507) 389-6383 or email [jean.willaert@mnsu.edu](mailto:jean.willaert@mnsu.edu).