

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

			F23	SP24	SS24	
<input type="checkbox"/>	AET	102	Introduction to Automotive Engineering Technology (1)	X		
<input type="checkbox"/>	MET	142	Introduction to Parametric Modeling (3)	X	X	
<input type="checkbox"/>	AET	160	Automotive Technology & Systems (4)	X	X	
<input type="checkbox"/>	AET	261	Automotive Driveability & Diagnosis (4)	X	X	
<input type="checkbox"/>	AET	262	Automotive Computers and Electronics (4) <small>Pre: AET 160, AET 261, EET 113</small>	X	X	
<input type="checkbox"/>	MET	275	Manufacturing Process I (4) <small>Pre: MET 142, CHEM 104</small>	X	X	
<input type="checkbox"/>	AET	280	Data Acquisition and Analysis (3) <small>Pre: Math 121, EET 113</small>	X	X	
<input type="checkbox"/>	MET	323	Statics (3) <small>Pre: PHYS 211, MATH 121</small>	X	X	
<input type="checkbox"/>	MET	324	Strength of Materials and Dynamics (4) <small>Pre: MET 323</small>	X	X	
<input type="checkbox"/>	AET	334	Fluid Power (3) <small>Pre: MATH 121, PHYS 211</small>	X	X	
<input type="checkbox"/>	MET	341	Advanced Parametric Modeling (3) <small>Pre: MET 142,</small>	X	X	
<input type="checkbox"/>	AET	364	Chassis Design & Performance Testing (4) <small>Pre: MATH 121, PHYS 211</small>	X		
<input type="checkbox"/>	AET	366	Automotive Thermodynamics & Engine Design (3) <small>Pre: CHEM 104, MATH 121, PHYS 211</small>		X	
<input type="checkbox"/>	MET	375	Manufacturing Process II (4) <small>Pre: MET 275</small>	X	X	
<input type="checkbox"/>	AET	387	Junior Design Project (3) <small>Pre: ENG 271w, STAT 154</small>		X	
<input type="checkbox"/>	MET	424	Industrial Safety (2)	X		
<input type="checkbox"/>	MET	425	Project and Value Management (3) <small>Pre: STAT 154</small>	X		
<input type="checkbox"/>	AET	436	Hybrid and Electric Vehicles (3) <small>Pre: AET 366, AET 280</small>		X	
<input type="checkbox"/>	AET	465 ^{2,3}	Automotive Laboratory Experience (2) <small>Pre: AET 364</small>	X	X	
<input type="checkbox"/>	AET	468	Automotive Research Methods (4) <small>Pre: AET 366, PHYS 211, STAT 154</small>	X		
<input type="checkbox"/>	AET	488W	Senior Design Project I (3) <small>Pre: AET 387, 364, MET 341, Coreq: MET 324, AET 468</small>	X		
<input type="checkbox"/>	AET	489W	Senior Design Project II (3) <small>Pre: MET 324, AET 468, AET 488w</small>		X	

¹Meets for only part of the semester

²Students **MUST** sign up with G. Mead one year before they want to take

³Students **MUST** receive special permission before registering

Required for Major (Communications courses, 11 Credits):

			F23	SP24	SS24	F24	SP25	
<input type="checkbox"/>	ENG	101**	Foundations of Writing & Rhetoric (4)	X	X	X	X	X
<input type="checkbox"/>	ENG	271W**	Technical Communications (4) <small>Pre: ENG 101</small>	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"/>	MATH	121**	Calculus I (4) <small>Pre: Grade of "C" or better in MATH 115, or in both MATH 112 & 113, or see Math placement info</small>	X	X	X	X	X
<input type="checkbox"/>	MATH	122	Calculus II (4) <small>Pre: MATH 121 with "C" or better or consent</small>	X	X	X	X	X
<input type="checkbox"/>	STAT	154**	Elementary Statistics (4) <small>Pre: Must achieve a score of 18 or better on MnSCU Math Readiness Test, or have achieved an ACT Math subscore of 19 or higher, or successful completion of MATH 098</small>	X	X	X	X	X
<input type="checkbox"/>	EET	113	DC Circuits (3) <small>Coreq: Math 112 or MATH 115</small>	X	X		X	X
<input type="checkbox"/>	PHYS	211**	Principles of Physics I (4) <small>Pre: Either MATH 112 & MATH 113, or MATH 115</small>	X	X	X	X	X
<input type="checkbox"/>	PHYS	212	Principles of Physics II (4) <small>Pre: PHYS 211</small>	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 AET 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: AET 102,160, 261, 262; MET 142, 275; EET 113; ENG 101; COMM 100 or 102; MATH 121; PHYS 211

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