Typical Manufacturing Engineering Technology Program of Study
(Starting in Math 121 Calculus)

Freshman (Fall)			**Freshman (Spring)**		
MET 104	Intro to Mfg Engineering Tech	(1)	COMM 100	Fund. Comm.** or (COMM 102)**	(3)
MET 142	Computer Parametric Modeling	(3)	STAT 154	Elementary Statistics**	(4)
MATH 121	Calculus I**	(4)	EET 113	DC Circuits	(3)
CHEM 104	Intro to Chemistry**	(3)	MATH 122	Calculus II	(4)
ENG 101	Fdns Writing & Rhetoric **	(4)	GEN ED	General Education*	(3)
		15			**17**
Sophomore (Fall)			**Sophomore (Spring)**		
ECON 202	Principles of Microeconomics**	(3)	AET 334	Fluid Power	(3)
PHYS 211	Principles of Physics I**	(4)	MET 323	Statics	(3)
ENG 271W	Technical Communications**	(4)	MET 341	Advanced Parametric Modeling	(3)
MET 275	Manufacturing Process I	(4)	PHYS 212	Principles of Physics II	(4)
GEN ED	General Education	(1)	GEN ED	General Education*	(3)
		16			**16**
Junior (Fall)			**Junior (Spring)**		
MET 324	Strength of Materials & Dynamics	(4)	MET 423	Ergonomics & Work Measurement	(3)
MET 375	Manufacturing Process II	(4)	MET 347	Manufacturing Automation	(4)
MET 386	Metrology for Eng Technologist	(3)	MET 427	Quality Management Systems	(3)
MET 425	Project and Value Management	(3)	MET 428	Lean Manufacturing	(3)
MET 424	Industrial Safety	(2)	GEN ED	General Education*	(4)
		16			**17**
Senior (Fall)			**Senior (Spring)**		
MET 407	Mfg. Resource Plan & Control	(3)	MET 455	Project and Value Management II	(3)
MET 448	Computer Integrated Mfg	(3)	GEN ED	General Education*	(4)
MET 488	Senior Design I	(2)	MET 489	Senior Design Project II	(2)
MET 426	Logistics & Transportation	(3)	Elective Credits*** (Internship Optional)		(6)
Elective Credits*** (Internship Optional)		(5)			
		16			**15**

Credits from MET Core Courses	62	
Credits required for MET Science, Math, Communications	40	(**29 credits apply to GEN ED)
*** =** 15 GEN ED Credits for 44 total required GEN ED (29 +15)	15	
***** =** 11 Free Elective Credits	11	
Credits Required for MET BS Graduation	**128**	

NOTES:

- Math readiness may change the plan above. MATH 098, MATH 112, MATH 113, or MATH 115 may be required based on test scores and/or high school preparation.
- This is only an example of one way to organize GEN ED and ELECTIVE course choices.
- See your Bulletin Year and Advisor for current requirements.
- MET major courses are subject to availability. See AMET Department for major course scheduling plans.
- Summer course offerings may accelerate progress.
- All MET Major, and required Communications, Basic Science, and Mathematics course must be completed with a grade of “C” (2.00) or better for the program.
- University requires at least 40 credits of degree work be at 300- or 400-level coursework.

Preparation:

High School: We recommend high school pre-calculus, physics, and chemistry coursework.

Transfer Students: If you are planning to transfer to Minnesota State Mankato, stay in contact with the College of Science, Engineering, and Technology (CSET) Advising Staff, or the AMET Department to develop a plan.