Curriculum Map
Engineering Technology, Bachelor of Science
Mechanical & Manufacturing

Accredited by ATMAE (The Association of Technology, Management, and Applied Engineering)

If you are required to complete any college readiness courses, you may not be able to complete the degree in four years. This curriculum map assumes that you have not transferred in any previously completed college level courses. This is an **unofficial** document; the student's program evaluation is the official document for viewing the requirements needed to complete the chosen bachelor's degree. Please consult with your advisor for registering for classes.

All students must have 36 hours of general education courses. The approved course list is located in the MSU Catalog, http://www.moreheadstate.edu/catalog.

If an "*f*" or "*s*" is listed beside the course, this indicates the class is normally offered only in the fall semester (*f*) or spring semester (*s*).

FIRST YEAR COURSE SCHEDULE

✓	Course	Fall Semester	Credits	✓	Course	Spring Semester	Credits
	FYS 101	First Year Seminar	3		ENG 200	Writing II	3
	MATH 174 or MATH 175	Pre-Calculus or Calculus I	3-4		COMS 108	Fund. Of speech Communication	3
	ENG 100	Writing I	3		General Education	HUM I	3
	ETM 110	Fund. Of Computer Technology	3		ETM 120	Fundamental of Engineering	3
	EMM 103/103L	Engineering Drawing	3		PHYS 201/201A or PHYS 231/231A	Elementary Physics I/Lab or Engineering Physics I/Lab	4-5
		Total Credit Hours	**15**			**Total Credit Hours**	**15**

SECOND YEAR COURSE SCHEDULE

✓	Course	Fall Semester	Credits	✓	Course	Spring Semester	Credits
	General Education	HUM II	3		EEC 141/141L	Fundamentals of Electric Circuits	3
	General Education	NSC I	3		General Education	NSC II	3
	Additional MATH	175, 275, **353**	3-4		EMM 186/186L	Manufacturing Processes I	3
	ECC 202 (*f*)	Statics and Dynamics	3		EMM 203/203L (*s*)	Computer Aided Design I	3
	EMM 303	Mechanics of Materials	3		EMM 370/370L (*s*)	Robotics Interacting Engineering	3
	EMM 270/270L (*f*)	Robotic Systems Applications	3				
		Total Credit Hours	**18**			**Total Credit Hours**	**15**

THIRD YEAR COURSE SCHEDULE

✓	Course	Fall Semester	Credits	✓	Course	Spring Semester	Credits
	ETM 307/307L	Materials Science	3		General Education	SBS I	3
	ETM 319	Quality & Reliability Engineering	3		ETM 320	Project Management	3
	EMM 386/386L (*f*)	Computer-Aided Manufacturing	3		ETM 422 (*s*)	Industrial Safety Standards & Enforcement	3
	EMM 415 (*f*)	Computer-Aided Engineering	3		EMM 488/488L (*s*)	Flexible Manufacturing Systems	3
	ETM 317 (*f*)	Systems Modeling & Simulation	3		ETM 260 (*s*)	Thermal & Fluid Systems	3
		Total Credit Hours	**15**			**Total Credit Hours**	**15**

FOURTH YEAR COURSE SCHEDULE

✓	Course	Fall Semester	Credits	✓	Course	Spring Semester	Credits
	ETM 310 (*f*)	Engineering Economic Analysis	3		SBS II: ETM 300	Technology & Society	3
	ETM 330/330L	Engineering Design	3		ETM 499C	Senior Project	3
	ETM 419 (*f*)	Quality Management Systems	3		ETM 421 (*s*)	Design of Experiments	3
	ETM 430 (*f*)	Operations & Facilities Management	3		Track Elective	Refer to program evaluation	3
	Track Elective	Refer to program evaluation	3				
		Total Credit Hours	**15**			**Total Credit Hours**	**12**

Engineering Technology core, Physics and Math core, Track Requirements and Track Electives must be completed with a grade of a C or higher.

July 2018