Associate of Science Engineering
2025 – 2026 Academic Plan

This academic plan is a semester-by-semester guide for the college-ready student. Students should consider bachelor's degree requirements at transfer institutions, potential for continuing education to a graduate degree, and future career goals when selecting specific courses. This plan is not a substitute for meeting with an Advising Specialist or full-time Faculty Advisor.

Academic Plan: Fall 1st Year			**Notes**
Requirement	**Course**	**Credits**	
FYEX	EGR100 Introduction to Engineering	1	• MTH180 with a grade of "C" or better is a prerequisite for future coursework.
WCOM^	ENG101 English Composition I	3	
MATH	MTH180 Calculus I	5	
NSCI^	CHM111 General Chemistry I	5	
ELEC	*Elective	3	
	Total Credits	17	
Academic Plan: Spring 1st Year			**Notes**
Requirement	**Course**	**Credits**	
HU/SB^	*Humanities/Fine Arts OR Social/Behavioral Science	3	• MTH185 with a grade of "C" or better is a prerequisite for future coursework.
CIVI^	*Civics and PSC001 MO Civics Requirement	3	
CORE	MTH185 Calculus II	5	
ELEC	*Elective	3	
ELEC	*Elective	3	
	Total Credits	17	
Academic Plan: Fall 2nd Year			**Notes**
Requirement	**Course**	**Credits**	
CORE	MTH201 Calculus III	5	• PHY223 with a grade of "C" or better is a prerequisite for future coursework.
CPLT/NSCI^	PHY223 General Physics I	5	
ELEC	*Elective	3	
ELEC	*Elective	3	
	Total Credits	16	
Academic Plan: Spring 2nd Year			**Notes**
Requirement	**Course**	**Credits**	
HU/SB^	ECO101 Macroeconomics or ECO102 Microeconomics	3	
CORE	MTH205 Differential Equations	3	
CORE	PHY224 General Physics II	5	
*ELEC	*Elective	3	
	Total Credits	14	
	Total Program Credits		

*For a list of elective and general education courses visit, the degree/certificate plan webpage.
^This general education requirement must be met by a MOTR equivalent course; see MOTR webpage.
The Computer Literacy (CPLT) requirement must be completed with a grade of "C" or better.