BS in Engineering Technology

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.*
See the University Core Curriculum section of this catalog for approved list of course options.
***** See College of Engineering degree requirements section of this catalog for approved list of course options.***

BS in Engineering Technology
Concentration in Manufacturing Engineering Technology

FRESHMAN YEAR

FALL	HOURS
CHEM 1410, General Chemistry**	3
CHEM 1430, General Chemistry Laboratory**	1
ENGL 1310, College Writing I*	3
ENGR 1304, Engineering Graphics	3
MATH 1650, Pre-Calculus	5
Total	15

FRESHMAN YEAR

SPRING	HOURS
ENGL 2700, Technical Writing*	3
MATH 1710, Calculus I**	4
MFET 2100, Manufacturing Processes and Materials	3
PHYS 1710, Mechanics**	3
PHYS 1730, Laboratory in Mechanics**	1
PSCI 1040, American Government*	3
Total	17

SOPHOMORE YEAR

FALL	HOURS
CSCI 1110, Program Development	4
ENGR 2301, Statics	3
MATH 1720, Calculus II**	3
MFET 3110, Machining Principles and Processes	4
Technical Elective	3
Total	17

SOPHOMORE YEAR

SPRING	HOURS
GNET 2060, Professional Presentations (may be used to satisfy Communication requirement**)	3
MFET 3450, Engineering Materials	3
PHYS 2220, Electricity and Magnetism**	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics**	1
PSCI 1050, American Government*	3
Humanities*	3
Wellness*	3
Total	19

JUNIOR YEAR

FALL	HOURS
ENGR 2332, Mechanics of Materials	3
ENGR 2405, Fundamentals of Electrical Engineering	4
GNET 1030, Technological Systems (may be used to satisfy Social and Behavioral Sciences requirement*)	3
HIST 2610, United States History to 1865*	3
MEET 3660, Thermal Sciences Applications	3
Total	16

JUNIOR YEAR

SPRING	HOURS
ELET 3970, Electronic Devices and Controls	3
MEET 3650, Design of Mechanical Components	3
MFET 4190, Quality Assurance	3
MFET 4210, CAD/CAM System Operations	3
MGMT 3830, Operations Management	3
Total	15

SENIOR YEAR

FALL	HOURS
MEET 4360, Thermal Science Laboratory	2
MFET 3520, Soldering, Brazing and Adhesive Bonding	3
MFET 4200, Engineering Cost Analysis	2
MFET 4230, CNC Programs and Operation	4
Visual and Performing Arts*	3
Total	14

SENIOR YEAR

SPRING	HOURS
HIST 2620, United States History Since 1865*	3
MFET 3250, Plastics Materials and Processes	3
MFET 4250, Senior Manufacturing Design	2
Cross-cultural, Diversity and Global Studies*	3
Technical Option (advanced)	4
Total	15

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.