

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 Mechanical 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
Technical Option (advanced)	2
Total	16

SOPHOMORE YEAR

FALL	HOURS
CSCI 1110, Program Development	4
ENGR 2301, Statics	3
GNET 2060, Professional Presentations (may be used to satisfy Communication requirement**)	3
MATH 1720, Calculus II**	3
MFET 3110, Machining Principles and Processes	4
Total	17

SOPHOMORE YEAR

SPRING	HOURS
ENGR 2302, Dynamics	3
MFET 3450, Engineering Materials	3
PHYS 2220, Electricity and Magnetism**	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics**	1
PSCI 1040, American Government*	3
Cross-cultural, Diversity and Global Studies*	3
Technical Elective	3
Total	19

JUNIOR YEAR

FALL	HOURS
ENGR 2332, Mechanics of Materials	3
ENGR 2405, Fundamentals of Electrical Engineering	4
HIST 2610, United States History to 1865*	3
MEET 3940, Fluid Mechanics Applications	3
PSCI 1050, American Government*	3
Total	16

JUNIOR YEAR

SPRING	HOURS
ELET 3970, Electronic Devices and Controls	3
MEET 3650, Design of Mechanical Components	3
MEET 3990, Thermodynamics	3
MFET 4190, Quality Assurance	3
MFET 4210, CAD/CAM System Operations	3
Humanities*	3
Total	18

SENIOR YEAR

FALL	HOURS
GNET 1030, Technological Systems (may be used to satisfy Social and Behavioral Sciences requirement*)	3
HIST 2620, United States History Since 1865*	3
MEET 4050, Industrial Design	3
MEET 4350, Heat Transfer Applications	3
MFET 4200, Engineering Cost Analysis	2
Total	14

SENIOR YEAR

SPRING	HOURS
MEET 4360, Thermal Science Laboratory	2
MEET 4790, Senior Mechanical Design Project	2
Technical Option (advanced)	3
Visual and Performing Arts*	3
Wellness*	3
Total	13

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