

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 Arts and Sciences degree requirements section of this catalog for approved list of course options.**

BS in Engineering Technology Concentration in Manufacturing Engineering Technology (html) BS in Engineering Technology Concentration in Manufacturing Engineering Technology (pdf)

FRESHMAN YEAR

FALL	HOURS
CHEM 1410, General Chemistry**	3
CHEM 1430, General Chemistry Laboratory**	1
ENGL 1310, College Writing I*	3
ENGR 1280, Engineering Graphics	3
MATH 1650, Pre-Calculus	<u>5</u>
Total	15

SOPHOMORE YEAR

FALL	HOURS
CSCI 1110, Introduction to Computer Science	4
ENGR 2220, Statics	3
GNET 2060, Professional Presentations (may be used to satisfy Communication requirement*)	3
MATH 1720, Calculus II	3
MFET 2110, Machining Principles and Processes	4
Literature**	<u>3</u>
Total	20

JUNIOR YEAR

FALL	HOURS
ENGR 3260, Mechanics of Materials	3
ENGR 3960, Electrical Circuit Analysis	4
HIST 2610, United States History to 1865*	3
MEET 3660, Thermal Sciences Applications	3
MSCI 2710, Data Description and Analysis with Spreadsheets	<u>3</u>
Total	16

SENIOR YEAR

FALL	HOURS
MFET 3250, Plastics Materials and Processes	3
MFET 3520, Soldering, Brazing and Adhesive Bonding	3
MFET 4200, Engineering Cost Analysis	2
MFET 4230, CNC Programs and Operation	4
PSCI 1040, American Government*	<u>3</u>
Total	15

FRESHMAN YEAR

SPRING	HOURS
ENGL 2700, Technical Writing*	3
MATH 1710, Calculus I	4
MFET 1220, Manufacturing Processes and Materials	4
PHYS 1710, Mechanics**	3
PHYS 1730, Laboratory in Mechanics**	<u>1</u>
Total	15

SOPHOMORE YEAR

SPRING	HOURS
MEET 2940, Fluid Power Applications	2
MFET 2450, Engineering Materials	3
PHYS 2220, Electricity and Magnetism**	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics**	1
Humanities*	3
Wellness*	<u>3</u>
Total	15

JUNIOR YEAR

SPRING	HOURS
ELET 3970, Electronic Devices and Controls	3
GNET 1030, Technological Systems (may be used to satisfy Social and Behavioral Sciences requirement*)	3
HIST 2620, United States History Since 1865*	3
MEET 3650, Design of Mechanical Components	3
MFET 4210, CAD/CAM System Operations	3
MGMT 3830, Operations Management	<u>3</u>
Total	18

SENIOR YEAR

SPRING	HOURS
MFET 4190, Quality Assurance	3
MFET 4250, Senior Manufacturing Design	2
PSCI 1050, American Government*	3
Cross-cultural, Diversity and Global Studies*	3
Technical Option (advanced)	4
Visual and Performing Arts*	<u>3</u>
Total	18

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