

MILLERSVILLE UNIVERSITY

Student Name: _____ Student I.D.# _____

DEGREE: BS
MAJOR: MFET
OPTION:

MAJOR REQUIREMENTS FOR A BS DEGREE IN MANUFACTURING ENGINEERING TECHNOLOGY

Total credit hours required: 120.0 minimum

REQUIREMENTS AND POLICIES FOR THE BS MANUFACTURING ENGINEERING TECHNOLOGY MAJOR

A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Manufacturing Engineering Technology major by the Office of Admissions upon admission to the University.
2. Admission into the Manufacturing Engineering Technology major from other departments is upon approval of the chairperson of the Applied Engineering, Safety & Technology Department and coordinator of the Manufacturing Engineering Technology program.
3. Non-degree and continuing education students must be admitted to the Manufacturing Engineering Technology major by the Office of Admissions.

B. Policies for Retention in the Major

1. University requirements for retention.

C. Policies for Completion of the Major

1. Completion of all University curricular requirements.
2. English 312, 316, 318, or 319 satisfies the upper-level writing course requirement under the General Education Curriculum.

Note to the student: *This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.*

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS MANUFACTURING ENGINEERING TECH.**

Option:

Major Field Requirements: **60.0 credits**

Other Requirements: **28.0-30.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade	Course No.	Short Title	C.H.	Grade
CORE REQUIREMENTS (54.0 credits)				REQUIRED RELATED (22.0 credits)			
ITEC 130	Production Materials & Processes	3.0	_____	Chemistry (4.0 credits)			
ITEC 241	Drafting Communications	3.0	_____	CHEM 111	Introductory Chemistry I	4.0	_____
ITEC 261	Electronic Systems	3.0	_____	Mathematics (7.0 credits)			
ITEC 262	Semiconductor Electronics	3.0	_____	MATH 130	Survey of Statistics	3.0	_____
ITEC 271	Processing Nonmetallic Materials	3.0	_____	MATH 161	Calculus I	4.0	_____
ITEC 281	Metallic Materials & Prod. Mthds.	3.0	_____	Physics (8.0 credits)			
ITEC 325	Power Conversion & Control	3.0	_____	PHYS 131	Physics I w/Algebra	4.0	_____
ITEC 326	Fluid Power	3.0	_____	PHYS 132	Physics II w/Algebra	4.0	_____
ITEC 342	Computer-Aided Eng. Drawing	3.0	_____	English - Advanced Writing (3.0 credits)			
ITEC 344	Product Design	3.0	_____	Choose one of the following:			
ITEC 345	Statics & Strengths of Materials	3.0	_____	ENGL 312	Technical Writing	3.0	_____
ITEC 375	Polymer & Ceramic Technology	3.0	_____	ENGL 316	Business Writing	3.0	_____
ITEC 382	Automated Manufacturing	3.0	_____	ENGL 318	Web Writing	3.0	_____
ITEC 425	Industrial Robotic Systems	3.0	_____	ENGL 319	Science Writing	3.0	_____
ITEC 427	Programmable Logic Controllers	3.0	_____				
ITEC 448	Machine Tool Design	3.0	_____				
ITEC 492	Technical Entrepreneurship	3.0	_____				
ITEC 494	Total Quality Management	3.0	_____				
DIRECTED ELECTIVES (3.0 credits)							
Choose one of the following:							
ITEC 300	Internship	3.0	_____				
ITEC 376	Wood Technology	3.0	_____				
ITEC 392	Introduction to Industrial Training	3.0	_____				
ITEC 400	Internship	3.0	_____				
ITEC 446	Computer-Aided Drafting & Design	3.0	_____				
ITEC 467	Mobile Robotic Systems	3.0	_____				
<p><i>NOTE: Many courses have prerequisites. Please consult University Catalog or advisor.</i></p>							