MILLERSVILLE UNIVERSITY

Student Name:_____ Student I.D.#_____

DEGREE:	BS	**MAJOR REQUIREMENTS FOR A BS DEGREE IN APPLIED ENGINEERING & TECHNOLOGY MANAGEMENT**
MAJOR:	AETM	
OPTION:	Computer-Aided Drafting & Design	Total credit hours required: 120.0 minimum

REQUIREMENTS AND POLICIES FOR THE BS APPLIED ENGINEERING & TECHNOLOGY MANAGEMENT MAJOR

A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Applied Engineering & Technology Management major by the Office of Admissions upon admission to the University.
2. Admission into the Applied Engineering & Technology Management major from other departments is upon approval of the chairperson of the Applied Engineering, Safety & Technology Department.
3. Non-degree and continuing education students must be admitted to the Applied Engineering & Technology Management 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 APPLIED ENGINEERING & TECH MGMT**
Option: **Computer Aided Drafting & Design**
Major Field Requirements: **60.0 credits**
Other Requirements: **22.0 - 24.0 credits**

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

DEPARTMENTAL REQUIREMENTS (60.0 credits)

Technical Option (36.0 credits)

Course No.	Short Title	C.H.	Grade
ITEC 110	Communication & Info. Systems	3.0	
ITEC 120	Energy & Power Systems	3.0	
ITEC 130	Production Materials & Processes	3.0	
ITEC 241	Drafting Communications	3.0	
ITEC 243	Technical Sketching & Design	3.0	
ITEC 342	Computer-Aided Engineering Drawing	3.0	
ITEC 344	Product Design	3.0	
ITEC 345	Statics & Strength of Materials	3.0	
ITEC 346	Architectural Drawing & Design	3.0	
ITEC 347	Engineering Visualization	3.0	
ITEC 446	Computer-Aided Drafting & Design	3.0	
ITEC 448	Machine Tool Design	3.0	

Technology Management Core (15.0 credits)

Course No.	Short Title	C.H.	Grade
OSEH 120	Safety, Health & Environ. Issues	3.0	
ITEC 492	Technical Entrepreneurship	3.0	
ITEC 494	Total Quality Management	3.0	
BUAD 251	Principles of Management	3.0	
BUAD 452	Production & Operation Mgmt	3.0	

Elective Courses in Technology Management (9.0 credits)

Select three courses from the following:

Course No.	Short Title	C.H.	Grade
ITEC 300	Internship*	3.0	
ITEC 400	Internship*	3.0	
ITEC 392	Industrial Training	3.0	
OSEH 221	Industrial Fire Prevention	3.0	
OSEH 320	Safety Engineering Principles	3.0	
OSEH 323	Human Factors	3.0	
OSEH 333	Intro to System Safety	3.0	
BUAD 161	Intro to Financial Accounting	3.0	
BUAD 352	Human Resource Management	3.0	
BUAD 353	Labor-Management Relations	3.0	
BUAD 357	International Management	3.0	
PSYC 329	Industrial/Organization Psychology	3.0	
SOCY 318	Sociology Complex Organizations	3.0	

*NOTE: *Maximum of 6 credits internship may be counted toward degree*

NOTE: Many courses have prerequisites. Please consult University Catalog or advisor.

REQUIRED RELATED (22.0 - 24.0 credits)

Science (6.0 - 8.0 credits)

Select **two** science courses from the following list:

Course No.	Short Title	C.H.	Grade
CHEM 101	Chem! Better Things/Better Living	3.0	
CHEM 103	General, Organic & Biochem I	3.0	
CHEM 104	General, Organic & Biochem II	3.0	
CHEM 205	Molecular Basis of Color & Form	4.0	
PHYS 103	Elements of Physics*	4.0	
PHYS 104	Applied Physics*	4.0	
PHYS 131	Physics I with Algebra	4.0	
PHYS 132	Physics II with Alegbra	4.0	

*NOTE: *Can receive credit for either PHYS 103 or 104, but not both.*

Economics (6.0 credits)

Course No.	Short Title	C.H.	Grade
ECON 101	Principles of Macroeconomics	3.0	
ECON 102	Principles of Microeconomics	3.0	

Mathematics (7.0 credits)

Course No.	Short Title	C.H.	Grade
MATH 130	Elements of Statistics	3.0	
	AND select one of the following:		
MATH 151	Calculus for Mgmt, Life and SS	4.0	
MATH 160	Precalculus	4.0	
MATH 161	Calculus I	4.0	

English - Advanced Writing (3.0 credits)

Choose one of the following:

Course No.	Short Title	C.H.	Grade
ENGL 312	Technical Writing	3.0	
ENGL 316	Business Writing	3.0	
ENGL 318	Web Writing	3.0	
ENGL 319	Science Writing	3.0	

General Electives (as necessary)

_____	_____	____	____
_____	_____	____	____
_____	_____	____	____
_____	_____	____	____