

# MILLERSVILLE UNIVERSITY

Student Name: \_\_\_\_\_ Student I.D.# \_\_\_\_\_

DEGREE: AT	<b>MAJOR REQUIREMENTS FOR AN ASSOCIATE OF TECHNOLOGY DEGREE IN APPLIED ENGINEERING &amp; TECHNOLOGY: Computer Aided Drafting &amp; Design</b>
MAJOR: AETE	
OPTION: CADD	
Total credit hours required: 60.0 minimum	

## REQUIREMENTS AND POLICIES FOR THE AT APPLIED ENGINEERING & TECHNOLOGY MAJOR

### A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Applied Engineering & Technology major by the Office of Admissions upon admission to the University.
2. Admission into the Applied Engineering & Technology major from other departments is upon approval of the chairperson of the Applied Engineering, Safety and Technology Department.
3. Non-degree and continuing education students must be admitted to the Applied Engineering & Technology major by the Office of Admissions.
4. A.T. students may change their major to a bachelor's degree program upon the completion of 12 credit hours and a required QPA of 2.0 or higher.

### 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. Either English 312 or 316 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 adviser to be aware of changes and curriculum details which are not incorporated on this form.*

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **AT APPLIED ENGINEERING & TECHNOLOGY**  
 Option: **Computer Aided Drafting & Design**  
 Major Field Requirements: **30.0 credits**  
 Other Requirements: **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
<b>DEPARTMENTAL REQUIREMENTS</b>				<b>GENERAL EDUCATION REQUIREMENTS</b>			
<b>Required Core Courses (30.0 credits)</b>				<b>General and Required Related Courses (27.0 credits)</b>			
ITEC	130 Production Materials & Processes	3.0	___	<b>G1 Humanities &amp; Fine Arts (6.0 credits)</b>			
ITEC	241 Drafting Communications	3.0	___	Select two G1 approved courses from the following ART, COMM/THEA, ENGL, FORL/HUMN, PHIL, MUSI			
ITEC	342 Computer-aided Engineer Draw	3.0	___	___	___	3.0	___
ITEC	344 Product Design	3.0	___	___	___	3.0	___
ITEC	346 Architectural Drawing & Design	3.0	___	<b>G2 Science &amp; Mathematics (6.0 credits)</b>			
OSEH	120 Safety, Health & Environ. Issues	3.0	___	Required Related courses in Science & Mathematics fulfill this General Education block. Please choose one from each of the following two groups (PHYS and MATH):			
<b>Select four courses from the following:</b>				PHYS	103 Elements of Physics	4.0	___
ITEC	110 Communication & Info Systems	3.0	___	PHYS	104 Applied Physics	4.0	___
ITEC	120 Energy & Power Systems	3.0	___	PHYS	131 Physics I with Algebra	4.0	___
ITEC	243 Technical Sketching, Design & Rnd	3.0	___	MATH	130 Elements of Statistics	3.0	___
ITEC	300 Co-op	3.0	___	MATH	151 Calculus for Mgmt, Life and SS	4.0	___
ITEC	345 Statics & Strength of Materials	3.0	___	MATH	160 Precalculus	4.0	___
ITEC	347 Engineering Visualization	3.0	___	MATH	161 Calculus I	4.0	___
ITEC	446 Computer-Aided Drafting & Design	3.0	___	<b>G3 Social Sciences (6.0 credits)</b>			
ITEC	448 Machine Tool Design	3.0	___	Select two G3 approved courses from the following AFAM, ANTH, BUAD, ECON, EHEM, ENTR, GEOG, GOVT, HIST, INTL, PSYC, SOCY, SOWK/GERT, WSTU			
				___	___	3.0	___
				___	___	3.0	___
				<b>Foundations and Advanced Writing (9.0 credits)</b>			
				COMM	100 Fundamentals of Speech*	3.0	___
				ENGL	110 English Composition*	3.0	___
				* C- or better required			
				Choose one of the following Advanced Writing courses:			
				ENGL	312 Technical Writing	3.0	___
				ENGL	316 Business Writing	3.0	___
<b>NOTE: Many courses have prerequisites. Please consult University Catalog or advisor.</b>				<b>General Electives (as necessary)</b>			
				___	___	___	___
				___	___	___	___