

**THIS IS A CAREER DEGREE.
IT IS NOT DESIGNED TO TRANSFER TO A FOUR YEAR UNIVERSITY.**

**Danville Area Community College
2009-2010**

Manufacturing Engineering Technology

Associate in Applied Science Degree
NIMS Certified Program

This curriculum is designed to prepare the student for a career in the fields of manufacturing and production technology. Positions in a conventional machine shop and/or a Computer Numerical Control shop can be attainable by program graduates. This program is an occupational program typically not designed to transfer. However this program has been articulated to some senior institutions. Please contact a counselor for specific details.

Designated as a Partnership for College & Career Success program.

First time degree seeking students must complete INST101, Success in College, as a requirement for graduation.

REQUIRED COURSES	HOURS	F,S,I,SU	GRADE
First Semester			
* MATT 133 Technical Math I	4		
MFRG 160 Machining I	3		
DRAF 160 Machining Graphics	2		
DRAF 166 Intro to AutoCAD	3		
* ENGL 101 Rhetoric <u>OR</u> ENGL 121 Communication Skills	3		
ELEC 104 Industrial Safety	3		
Total	18		
Second Semester			
* MATT 134 Technical Math II	3		
CBUS 150 Business Computer Systems	3		
MFRG 161 Machining II (pre: MFRG 160)	3		
MFRG 168 CNC Setup & Operations (pre: MFRG 160)	4		
DRAF 266 Applied AutoCAD (pre: DRAF 166)	3		
Total	16		
Third Semester			
DRAF 162 Materials & Processes	3		
MFRG 169 Intro to CNC Prog (pre: MFRG 168)	4		
INFO 245 Employment Seminar	1		
* ENGL 122 Technical Communication (pre: ENGL 101 or ENGL 121)	3		
MFRG 162 Machining III (pre: MFRG 161)	3		
* Humanities Elective	3		
Total	17		
Fourth Semester			
MFRG 170 Applied CNC Programming (pre: MFRG 169)	4		
MFRG 200 Manufacturing Mgmt & Quality	3		
MFRG 280 CAD/CAM (pre: DRAF 266 & MFRG 169)	3		
* Social Science Elective	3		
Technical Elective	3		
Total	16		

Total Hours 67

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Manufacturing Engineering Technology (continued)

	HOURS	F,S,I,SU	GRADE
Technical Electives			
DRAF 276 Advanced AutoCAD Applications (pre: DRAF 266)	3		
MFRG 285 Supervised Occupational Exp (pre: consent of instructor)	3		
MFRG 163 Machining III	3		
WELD 180 Arc Welding	4		

* General Education.

See pages 50-51 for list of Human Relations requirements.

Designated as a Partnership for College & Career Success program. See page 156.

This program is a capstone with SIU and a cooperative with EIU and WIU.

NOTE: Pre-Tech Math (MATT 132) is available for students needing preparation for MATT 133.

Enrollment in developmental classes may increase the length of time it takes to complete an associate degree.