

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

**Danville Area Community College
2021-2022**

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 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.

***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 (pre: MATT 132 or Placement Exam)	4		
MFRG 160 Machining I	3		
DRAF 160 Machining Graphics	3		
DRAF 166 Intro to AutoCAD (pre: DRAF 160 or DRAF 161)	3		
* ENGL 101 Rhetoric <u>OR</u> ENGL 121 Communication Skills	3		
Total	16		
Second Semester			
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	13		
Third Semester			
DRAF 162 Technology in Advanced Manufacturing	3		
MFRG 169 Intro to CNC Prog (pre: MFRG 168)	4		
INFO 245 Employment Seminar (pre: Instructor Consent)	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 100 Industrial Safety	3		
MFRG 280 CAD/CAM (pre: DRAF 266 & MFRG 169)	3		
* Social Science Elective	3		
Technical Elective	3		
Total	16		
Total Hours	65		

continue on next page

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 Tools IV	3		
WELD 180 Structural Welding	4		

* General Education.

See list of Human Relations requirements.

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.