

CERTIFICATE PROGRAM

Danville Area Community College 2021-2022

Mechatronics

Certificate Program

This program will prepare students to analyze functional relationships in mechatronic systems, follow information and energy flow in electrical, pneumatic and hydraulic sub systems, plan and organize work flow, commission, trouble shoot and repair mechatronic systems.

REQUIRED COURSES	HOURS	F,S,I,SU	GRADE
First Semester			
ELEC 104 Key Principles of Advanced Manufacturing	3		
DRAF 162 Technology in Advanced Manufacturing	3		
MFRG 105 Intro to Maintenance	3		
ELEC 168 Industrial Electricity	4		
Total	13		
Second Semester			
ELEC 269 Programmable Controllers (pre: ELEC 160)	3		
ELEC 250 Pneumatics & Controls	4		
MFRG 231 Hydraulics	4		
Total	11		
Total Hours	24		

Gainful Employment:

For program costs, completion and graduate information see

<https://www.dacc.edu/assets/pdfs/cguides/2021-2022/GEA/Mechatronics.pdf>