

AUTOMATION SPECIALIST (ADVANCED CERTIFICATE)

Catalog Effective Term: Fall 2024

Program Code: CVAMSP

Credential: Advanced Certificate

High Demand Occupation, High Skill Occupation, High Wage Occupation

The Automation Specialist certificate builds on skills obtained in the Robotics Technician certificate for those with the desire to enter the field of automation and robotics. Students will learn how robots are programmed and wired into larger systems. Technicians work in industrial settings to operate, maintain, and program robots.

Students with technology interests who enjoy working with their hands like gaming, manipulating code, robotics, 3D printing are suited for this line of work.

Minimum Credits Required for the Program: 17

Code	Title	Credits
Major/Area Requirements		
ELE 254	Programmable Controllers (PLCs) II	4
MEC 105	Pneumatics and Hydraulics in Fluid Power	4
NCT 100	Foundation Concepts for Manufacturing (CNC)	3
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
ROB 221	Robotics III	4
Total Credits		17