

SEMICONDUCTOR AND BATTERY MANUFACTURING (ADVANCED CERTIFICATE) *FINANCIAL AID ELIGIBILITY IS PENDING FINAL REVIEW*

Catalog Effective Term: Fall 2025

Program Code: CVSBMF

Credential: Advanced Certificate

This program is designed to prepare students for high-demand careers in the semiconductor and battery industries. This program will provide hands-on training in semiconductor fabrication, battery assembly, testing, and quality control, with a focus on emerging technologies in electric vehicles (EV) and renewable energy storage. Students will develop the technical skills required for roles in advanced manufacturing, including process and test technicians. With connections to local industry partners and the opportunity to earn industry-recognized certifications, graduates will be equipped to enter a rapidly growing field with strong career prospects.

Students should have completed the Robotics Technician (CTROBT) Certificate (<https://coursecatalog.wccnet.edu/programs/robotics-technician-certificate/#curriculumtext>) or have completed the courses within that certificate prior to enrolling in this advanced certificate.

Minimum Credits Required for the Program: 18

Code	Title	Credits
Major/Area Requirements		
ELE 121	Hand Soldering Techniques	2
ELE 206	Semiconductor Manufacturing	2
ELE 208	Battery Manufacturing	2
ELE 211	Basic Electronics	4
ELE 254	Programmable Controllers (PLCs) II	4
MEC 105	Pneumatics and Hydraulics in Fluid Power	4
Total Credits		18