

BECOME JOB-READY IN ROBOTICS AND AUTOMATION WITH OUR 13-CREDIT CERTIFICATE PROGRAM

Join our comprehensive 13-credit, two-semester program and fast-track your path to becoming a Programmable Logic Controller (PLC) and Robotic Automation Technician. Gain essential skills and hands-on experience, allowing you to step into a high-paying job immediately after completing the certificate. Average salaries for professionals in this field exceed \$74K annually, with opportunities in industries such as healthcare, transportation, manufacturing and more!



WHAT YOU'LL LEARN

- Design, operate, and troubleshoot robotic systems and automated machinery
- Gain expertise in Siemens and Allen-Bradley PLCs
- Build a foundation in electrical circuits, industrial machinery and networking

\$74K*

**PLC AND ROBOTIC
AUTOMATION TECHNICIAN
AVERAGE MEDIAN SALARY**

*Lightcast Data

CAREER OPPORTUNITIES

AMAZON

MAGELLAN AEROSPACE

AMERICAN AIRLINES

CON EDISON

JOHN DEERE

COX & COMPANY

PEPSICO

BOEING

GE HEALTHCARE



COURSE HIGHLIGHTS

- Introduction to Robotics Technologies (1 credit)
 - Explore industrial robotics and automation, from basic controls to troubleshooting
- Electrical Circuit Analysis and Implementation (3 credits)
 - Learn the fundamentals of D.C. and A.C. electrical systems used in automation
- Digital Logic and Fundamentals of PLCs (3 credits)
 - Master digital logic, Boolean algebra, and hands-on PLC programming
- Automation Industry Machinery and Equipment (3 credits)
 - Understand the operation and maintenance of industrial robotics and machinery
- Allen-Bradley PLCs and Industrial Networking (3 credits)
 - Advance your skills in multi-PLC networking, programming, and diagnostics

GET CERTIFIED

Graduates are prepared to pass SACA (Smart Automation Certification Alliance) exams, earning industry-recognized certifications such as:

- Automation Systems Specialist
- Control System Specialist
- Robotics Systems Specialist

PATHWAY TO A DEGREE

While this program prepares you for immediate employment, all credits earned are transferable toward a bachelor of science in mechatronic engineering at Vaughn College, should you choose to continue your education and expand your career prospects.



JASON BECKER '20
Mechatronic Engineering BS
Mechatronics Engineer, Brookhaven National Laboratory

“I found great inspiration and success in the Robotics Club, ultimately becoming president in 2019-2020, I secured internships at EJ Electric as an electrical engineering intern, Checkmate as a mechanical engineering intern, and at Brookhaven National Laboratory as an engineering Intern. These internships helped me determine my career goals.”

ENROLL TODAY!

Don't miss out on the opportunity to launch your career in the fast-growing field of automation and robotics. Take the first step toward a brighter future today!

