



# DUAL ENROLLMENT ACADEMY for high school students



## AUTOMATION SYSTEMS TECHNOLOGY 19-credit program

Automated systems have become the standard in many industries to provide reliable ways to program and control machine movements. There is a growing need for qualified technicians to build, program, integrate, service and maintain automated and robotic systems.

In the Automation Systems Technology (AST) option, focus on the integration of mechanical, electrical, hydraulic and robotic methods. Learn about robotics, programmable logic controllers (PLCs), the principles of automation, and how they apply to multiple industries, and develop skills to work with complex computers and machinery in automated production lines.

### Automation Systems Technology Courses

Fall Semester	Credits
414-186 Industrial Electricity	2
605-188 PLC 1	2
605-189 PLC 2	2
664-160 Robotics and Servo	-
612-115 Industrial Pneumatic Systems	2

Spring Semester	Credits
605-196 Drives and Intro to Servos	2
605-191 PLC 3	2
605-193 PLC-Siemens Controllers	2
612-110 Industrial Hydraulic Systems	2
664-160 Robotics and Servo	3

### DEA Students Earn

#### • Automation - Industrial PLC Certificate

Continue on your educational pathway using your DEA credits at WCTC.

*Equal Opportunity Affirmative Action Employer/Educator*

**WCTC'S DUAL ENROLLMENT ACADEMY (DEA)** is designed to give high school students a jump start in high-demand occupations, awarding participants with a WCTC credential(s) upon successful completion along with earning high school credits. High school students will spend the majority of their school day, both the fall and spring semesters, at WCTC participating in DEA.

Prospective students should have a strong interest in pursuing a career in their chosen program option. Students must be in good academic standing with a minimum 2.0 high school GPA and also meet the WCTC program requirements. Parental and high school approval is required for a student to be accepted into the program.

### Next Steps

1. Meet with your High School Counselor/Dual Enrollment Coordinator to see if you qualify for WCTC DEA.
2. Attend a Dual Enrollment Informational Session at WCTC.
3. Complete a WCTC Dual Enrollment Academy Application and submit it to your High School Counselor/Dual Enrollment Representative for approval prior to the posted deadline.

[www.wctc.edu/dual-enroll](http://www.wctc.edu/dual-enroll)



WAUKESHA  
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800 Main Street, Pewaukee, Wisconsin 53072

**Questions?** Contact the Dual Enrollment Academy Coordinator, at 262.691.5557 or [DEA@wctc.edu](mailto:DEA@wctc.edu)

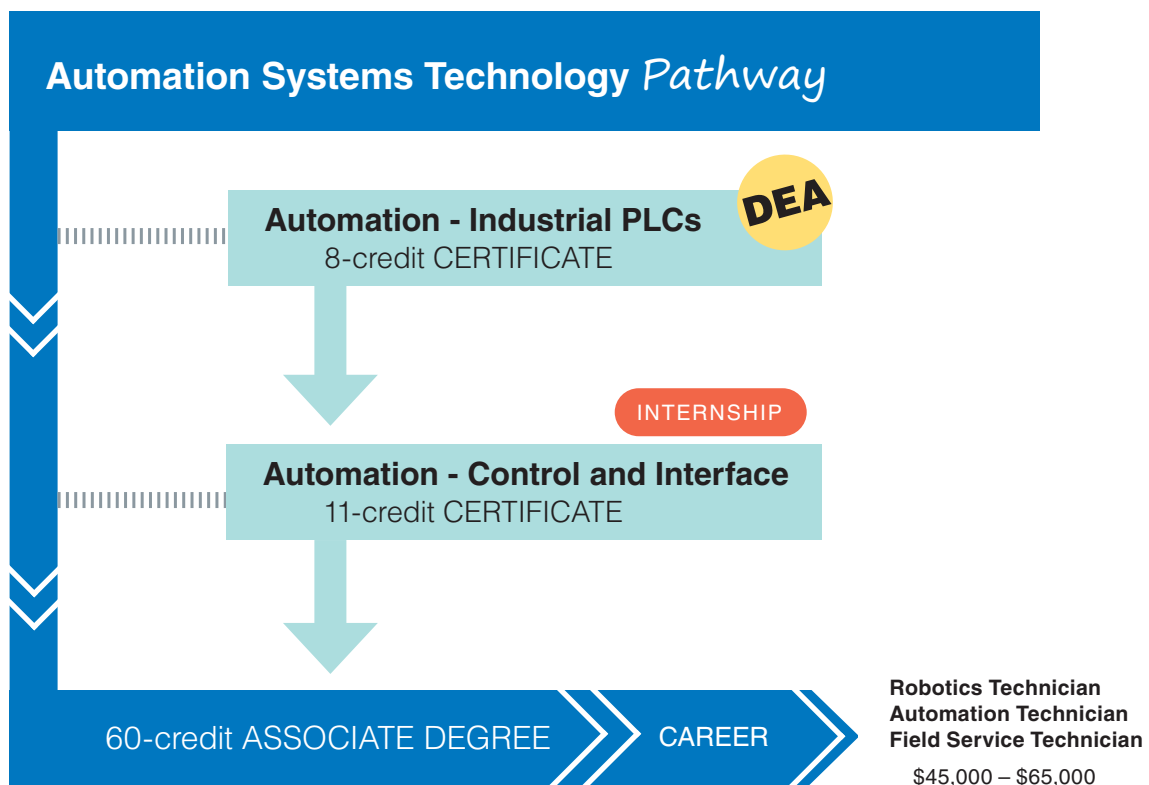
# Automation Systems Technology

[www.wctc.edu/automation-systems](http://www.wctc.edu/automation-systems)

## Pathway

**Discuss your pathway with an advisor. Call 262.691.5400 for an appointment.**

Earn certificates, technical diplomas and/or industry credentials along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.



Continue on your educational pathway to a bachelor's degree!

WCTC has many transfer agreements in place to make the process seamless.

To qualify for most federal and state financial aid, a student must be enrolled in a technical diploma or associate degree program.

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.

WCTC prohibits discrimination or harassment based on any status protected by applicable state or federal law.



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Hands-on Higher Ed