



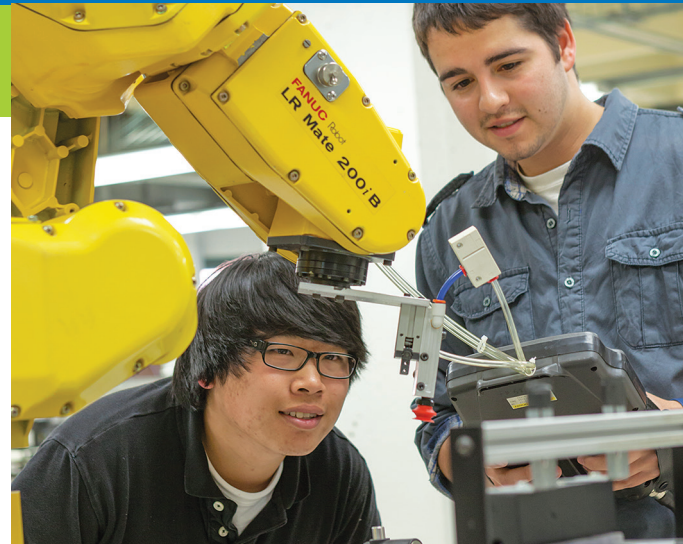
# Dual Enrollment Academy

FOR HIGH SCHOOL SENIORS

## Automation Systems Technology/Robotics

**WCTC's Dual Enrollment Academy (DEA)** is designed to give high school seniors 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 of their senior year, at WCTC participating in the Dual Enrollment Academy.

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.



## Automation Systems Technology/Robotics

22-credit Certificate

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

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.

### DEA STUDENTS EARN:

- **Automation 1 Certificate**
- **Automation 4 - Industrial PLC Certificate**
- Opportunity for industry recognized **NIMS Certification**

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

## Next Steps

1. Meet with your High School Counselor/Dual Enrollment Coordinator to see if you qualify for WCTC Dual Enrollment Academy.
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.

### Automation Systems Technology/Robotics course schedule

| Fall Semester                        | Credits |
|--------------------------------------|---------|
| 414-186 Industrial Electricity       | 2       |
| 605-188 PLC 1 (8 weeks)              | 2       |
| 605-189 PLC 2 (8 weeks)              | 2       |
| 664-160 Robotics and Servo Control   | 3       |
| 612-110 Industrial Hydraulic Systems | 2       |
| Spring Semester                      | Credits |
| 462-100 Mechanical Repair            | 3       |
| 605-191 PLC 3 (8 weeks)              | 2       |
| 605-193 PLC 4 (8 weeks)              | 2       |
| 605-196 Drives and Intro to Servos   | 2       |
| 612-115 Industrial Pneumatic Systems | 2       |

Visit [www.wctc.edu/dual-enroll](http://www.wctc.edu/dual-enroll) for information regarding WCTC Dual Enrollment Academy eligibility requirements, application process and deadlines.



WAUKESHA  
COUNTY TECHNICAL  
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[www.wctc.edu](http://www.wctc.edu)

Equal Opportunity Affirmative Action Employer/Educator

**Questions?** Contact Sandra Maylen, Coordinator, Early College Opportunities at **262.691.5591** or [smaylen@wctc.edu](mailto:smaylen@wctc.edu)

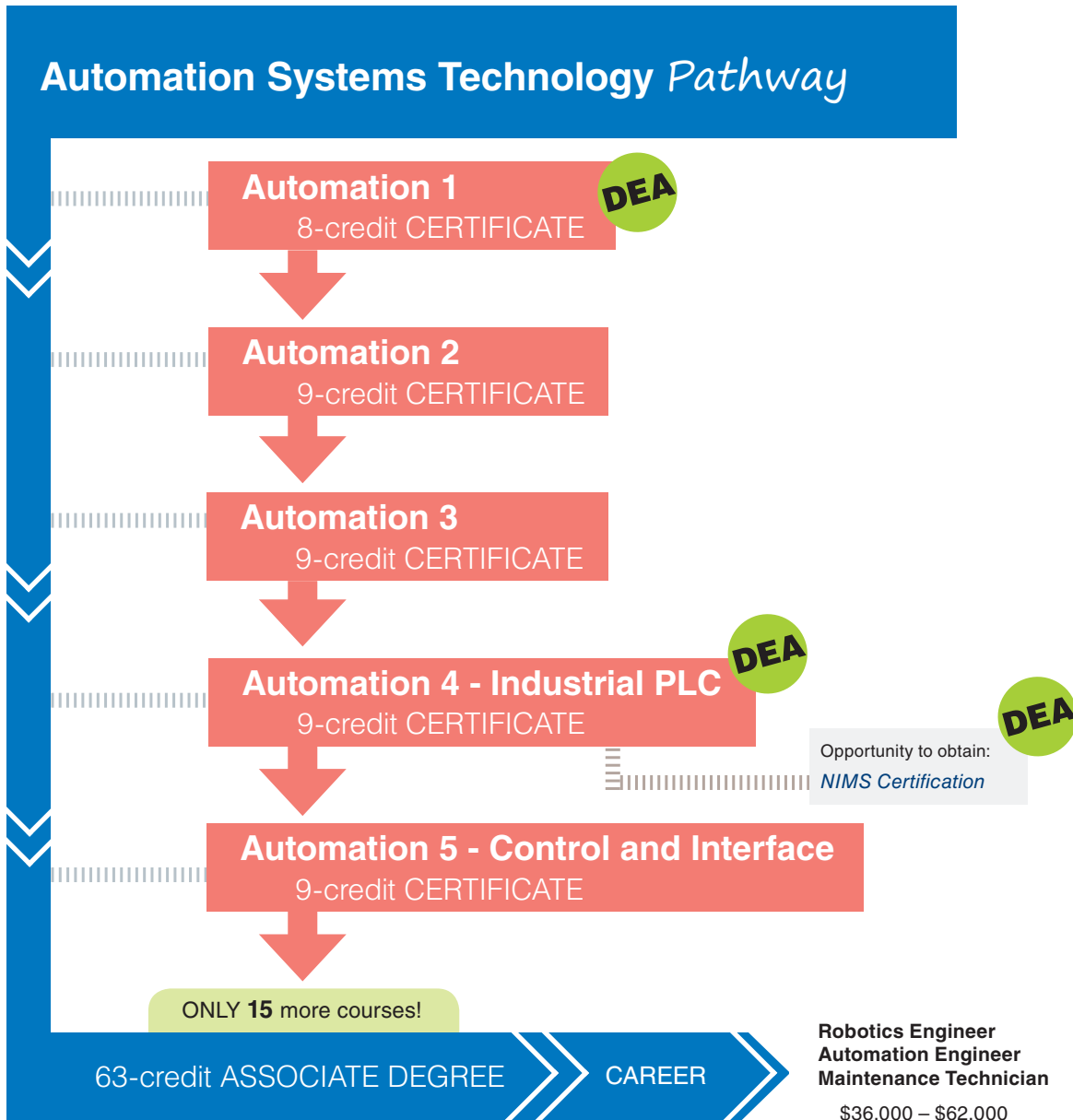
# Automation Systems Technology

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

Pathway

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.

*Your DEA credits count!*



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.*

Employment/wage data sourced from the following: WCTC's "Graduate Success Report, Economic Modeling Specialists International (EMS), and Payscale.com, as well as Advisory Committee input.

Waukesha County Technical College does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability or age in employment, admissions or its programs or activities. The following position has been designated to handle inquiries regarding the College's non-discrimination policies: Compliance Officer, 800 Main Street, Pewaukee, WI 53072 or 262.695.3481 or [compliance@wctc.edu](mailto:compliance@wctc.edu).



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