

# AUTOMATION AND ROBOTICS INTRODUCTORY CERTIFICATE 24ZC

## CERTIFICATE

### Description

This certificate is designed for high school dual credit students in the area of mechatronics. The courses taught in this certificate are the first semester courses in the CLC Mechatronics certificate (24ZB). High school students will be able to transfer all of these courses to the CLC Mechatronics certificate and can complete the CLC Mechatronics certificate with one additional semester of full-time study at CLC.

### Degree Requirements:

#### Required Courses

**Credit Hours: (15 Required)**

ARM111	Fundamentals of High Tech Manufacturing I	1
ARM112	Fundamentals of High Tech Manufacturing II	1
ARM113	Fundamentals of High Tech Manufacturing III	1
ARM116	Mechatronics Graphics I	1
ARM117	Mechatronics Graphics II	1
ARM118	Mechatronics Graphics III	1
ARM131	Robot Design and Construction I	1
ARM132	Robot Design and Construction II	1
ARM133	Robot Design and Construction III	1
ARM151	Mechanical Systems I	1
ARM152	Mechanical Systems II	1
ARM153	Mechanical Systems III	1
ARM156	Electrical Systems I	1
ARM157	Electrical Systems II	1
ARM158	Electrical Systems III	1

**Total: 15**

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