

# CERTIFICATION AND LICENSING PREPARATION

## MECHATRONICS FOUNDATION LEVEL 1

Mechatronics is the study of electrical, mechanical, fluid power and control components that make up automated systems in high-tech industrial environments. This program is for individuals currently working or seeking opportunities in occupations such as maintenance, IT and engineering. Students will become well-versed in basic factory floor controls, automation and programming, learning to analyze and modify modern production control systems that use industry 4.0 automation technologies and processes. Upon completion, students will be prepared for the SACA C-102 Certified Industry 4.0 Associate II.

*Instructor permission is required.*

### Required Courses

Course	Title	Units
MPT 160	Mechanical Drive Systems I	3
ELM 129	Electric Motors & Drives	3
ELM 134	Programmable Logic Controllers I	3
ELM 140	Industrial Robotics	3