

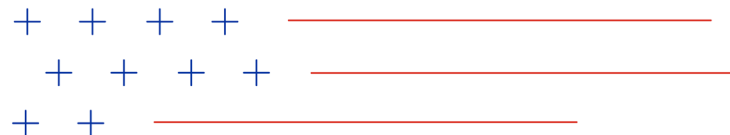
Automation & Robotics Training Program

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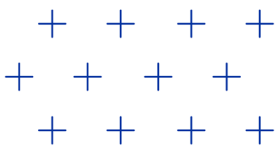
HEROES MAKE AMERICA

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MILITARY TO MANUFACTURING



Training Site Specifics



Fort Stewart, GA

Our program includes 8 weeks of accelerated, instructor-led training for in-demand industry certifications.

Cohort Dates: See application for details

Partner: Savannah Technical College (STC)

Funding: WIOA workforce grant (if reside in GA), very limited scholarships are available on a case-by-case basis.

Housing: Limited barracks available

★ CERTIFICATIONS

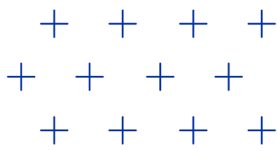
- Includes five certifications from the Smart Automation Certification Alliance (SACA)
 - C-201 Electrical Systems I
 - C-202 Electrical Motor Control Systems
 - C-207 Programmable Controller Systems I
 - C-209 Pneumatic Systems I
 - C-210 Mechanical Power Systems I
- OSHA 10

- ✓ Career Readiness Instruction
- ✓ Placement Support
- ✓ Facility Tours

As of April 2026



Course Curriculum



C-201 Electrical Systems 1

Prepares individuals to connect, adjust, operate, troubleshoot, and analyze electrical circuits using basic electrical components: resistors, capacitors, inductors, DC motors, solenoids, manual switches, relays, fuses, circuit breakers, transformers, and indicators. Other key skills include: adhering to electrical safety rules, reading electrical circuit diagrams, applying Ohm's Law and Kirchoff's Law, using digital multimeters, interpreting series/parallel circuits, and assessing power/circuit protection.

C-202 Electric Motor Control Systems 1

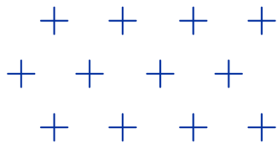
Prepares individuals to connect, adjust, and operate electrical motor control circuits using these electrical components: 3-phase AC motors, reversing magnetic motor starters with overloads, drum switches, control relays, timer relays, pushbutton switches, selector switches, limit switches, pressure switches, and float switches. Other key skills include adhering to motor control safety rules, reading ladder logic circuit diagrams, checking for proper ground connections, wiring motors for high and low voltage, and interpreting common motor control application circuits.

C-207 Programmable Controller Systems 1

Prepares individuals to program, configuration, adjust, monitor, and operate industrial programmable logic controller (PLC) systems. Key skills include: adhering to PLC safety rules, performing normal startup/shutdown, operating PLC in different modes, performing emergency shutdown and reset, monitoring for proper operation through indicators and PC-based PLC software, configuring processor software drivers for communication to PC, configuring and loading of HMI programs, operating HMI with PLC, configuring PLC discrete I/O, transferring programs between PC and PLC processor, interpreting basic and intermediate level PLC ladder logic programs (with contacts, coils, timers, counters, math, comparison instructions), PLC project creation/editing, and interpreting common PLC program logic applications using electro-pneumatic actuators and on/off motor control systems.



Course Curriculum



C-209 Pneumatic Systems 1

Prepares individuals to connect, adjust, operate, and analyze pneumatic circuits using these components: quick connect fittings, tee and cross fittings, air compressors, filters, regulators, lubricators, gauges, rotameters, directional control valves, flow control valves, check valves, cylinders, and motors. Other key skills include: adhering to pneumatic safety rules, reading pneumatic circuit symbols and diagrams, applying the Force-Pressure-Area formula, converting absolute/gauge pressure units, performing reciprocating compressor startup/shutdown, applying Pascal's Law, setting pressure switch, filter draining, setting lubricator rate, lubricator refilling, and measuring delta P.

C-210 Mechanical Power Systems I

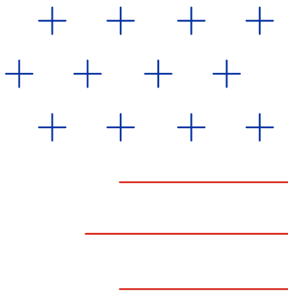
Prepares individuals to install, adjust, align, tension, operate and analyze basic mechanical power transmission drive systems using these components: motors, shafts, flexible jaw couplings, fractional horsepower (FHP) chain drives, FHP v-belt drives, spur gear drives, pillow block bearings, and flange bearings. Other key skills include: adhering to mechanical drive safety rules, mounting and leveling motors, testing and correcting for soft foot, installing components and shafts with keyways, sizing keys, aligning shafts using feeler gage and straight edge method, calculating speed and torque from component size ratios, interpreting rotary power specifications, determining mechanical efficiency, greasing bearings using a grease gun, refilling oil lubrication reservoirs, interpreting lubrication specifications, and identifying component given a model number.

OSHA 10

OSHA 10-hour training teaches basic safety and health information to entry-level workers in construction and general industry. It is part of the OSHA Outreach Training Program, which explains serious workplace hazards, workers' rights, employer responsibilities and how to file an OSHA complaint.



Program Contact Information



Have questions, or need additional information?

Email us at heroes@nam.org

Ready to apply, scan the QR code below

