Class Source 2025-2026
AmSkills VOCATIONAL Training
MANUFACTURING TRADES PRE-APPRENTICESHIP PROGRAM

Costs:

$400 Annual Amatrol Curriculum Fee per student
$1200 per semester for each course (C101, C102, or C103) per student

(Includes curriculum license, testing fees, transportation, supplies/consumables)
**Minimum 10 students*

Ages 16+

Transportation:
Each Friday AmSkills will arrive at the Class Source location and transport students to the Darlington Road facility for hands on training.

Pickup at Class Source 9a
Drop off at Class Source 3p

AmSkills Van Capacity: 14 students

Course Schedule

Fall 2025
Location: 4606 Darlington Road, Holiday, FL 34690
Days/Times:
- Course 1: Friday 9:45 – 11:45a
- Course 2: Friday 12:15 - 2:15p

Spring 2026
Location: 4606 Darlington Road, Holiday, FL 34690
Days/Times:
- Course 1: Friday 9:45 – 11:45a
- Course 3: Friday 12:15 - 2:15p

QUESTION:
What will the afternoon students do during the morning session? What about the morning students during the afternoon session?

Students will work online in a secure room with supervision during their down time. WiFi access will be provided so that they can work on the online portions of the class OR do any online academic work needed.

MORNING STUDENTS

Course Descriptions

Course 1 – 16 weeks

C-101 Basic Operations

Certified Industry 4.0 Associate I Course (SACA)

SACA's C-101 Certified Industry 4.0 Associate I – Basic Operations certification is an introductory credential that prepares individuals to succeed in modern production environments that use Industry 4.0 controls, automation, and processes. This certification is appropriate for individuals working in any occupation in advanced manufacturing.

Basic Operations Competencies:

- Concepts & Terminology of Smart Manufacturing
- Basic Setup, Adjustment & Operation of Automated Machines
- Safety and Hand Tools
- Blueprint & Schematic Reading
- Precision Measurement
- Basic Electrical Control, Pneumatic, & Sensor Systems Operation
- Basic Robot Operation & Terminology
- Production Monitoring via HMI, Internet, Ethernet, & Smart Phones

AFTERNOON STUDENTS

Course 2 – 16 weeks

C-102 Advanced Operations

Certified Industry 4.0 Associate II Course (SACA)

SACA's C-102 Certified Industry 4.0 Associate II- Advanced Operations certification is an introductory credential that prepares individuals to analyze and modify modern production control systems that use Industry 4.0 automation technologies and processes. This certification is appropriate for individuals in occupations, such as maintenance, IT, and engineering seeking to become versed in basic factory floor controls, automation and programming.

Advanced Operations Competencies:

- Smart Manufacturing System Metrics & Optimization
- Setup, Adjustment, & Operation of Computer Controlled Machines
- Basic Ethernet Network Operation
- Basic Programmable Controller Programming & Operation
- Basic Mechanical & Hydraulics System Operation & Adjustment
- Basic Mechatronic Systems Programming & Operation
- Basic Robotics & CNC Programming/Operation
- HMI Interface & Operation

Course 3 – 16 Weeks

C-103 Robot System Operations

Certified Industry 4.0 Associate III Course (SACA)

SACA's C-103 Certified Industry 4.0 Associate III- Robot System Operations certification is an introductory credential that prepares individuals to operate industrial robots and other industry 4.0 technologies in a modern production environment. This certification is ideal for manufacturing technicians, maintenance technicians and IT professionals seeking to become versed in robot system operations.

Robot System Operations Competencies:

- Robot System Operations Competencies:
- Concepts & Terminology of Robots
- Robot Setup & Adjustment
- Robot Operations & Basic Programming
- Fixtures/End of Arm Tooling Types & Selection
- Robot-Ethernet Network Communications
- Robot I/O Device & PLC System Interfacing
- Robot Monitoring & Cycle Time Optimization
- Robot Smart Manufacturing Concepts