

Micro-Credentials

SACA's Specialist Level Certifications are modular, consisting of a series of micro-credentials. These include core credentials that are applicable to all companies and elective micro-credentials for regional or specific company needs.

As an example, the micro-credentials for Certified Industry 4.0 Automation Systems Specialist - Level 1 are:

Certified Industry 4.0 Automation Systems Specialist

Install, Troubleshoot, Program, Maintain Factory
Automation 4.0 Systems

Level I

Core Micro-Credentials

- C-201 Electrical Systems 1
- C-202 Electric Motor Control Systems 1
- C-203 Variable Frequency Drive Systems 1
- C-204 Motor Control Troubleshooting 1
- C-205 Sensor Logic Systems 1
- C-206 Electrical System Installation 1
- C-207 Programmable Controller Systems 1
- C-208 Programmable Controller Troubleshooting 1
- C-209 Pneumatic Systems 1
- C-210 Mechanical Power Systems 1
- C-211 Industry 4.0 Total Productive Maintenance Management
- C-212 Ethernet Communications 1
- C-213 Smart Sensor & Identification Systems 1
- C-214 Smart Factory Systems 1
- C-215 Robot System Operations 1
- C-216 Robot Systems Integration 1

Elective Micro-Credentials

- C-251 Mechanical Power Troubleshooting
- C-252 Laser Shaft Alignment
- C-253 Electric Motor Troubleshooting
- C-254 Pneumatic Troubleshooting 1
- C-255 Hydraulic Systems 1
- C-256 Hydraulic Maintenance
- C-257 Process Control Systems 1
- C-258 Process Control Troubleshooting 1
- C-259 Rigging Systems 1
- C-260 Rigging Systems 2



What is SACA?

The Smart Automation Certification Alliance (SACA) is a non-profit foundation whose mission is to develop and deploy modular Industry 4.0 certifications for a wide range of industries.



Our vision is to provide highly affordable, accessible certifications that significantly increase the number of individuals who possess the skills represented by these credentials, thereby ensuring that companies have the highly skilled workers they need, and individuals are prepared to be successful in an Industry 4.0 world.

Why Join SACA?

Educational institutions and companies can both become members of SACA. As an educational member, institutions have the opportunity to become authorized certification centers, deliver free certifications to their students, and be informed of latest developments in Industry 4.0 technology. Educational membership is available for an annual fee scaled for high schools and post-secondary institutions.



As an Industry member, companies have the opportunity to impact the standards and future direction of the certifications, promote their leadership in Industry 4.0 education, and

provide scholarships to sponsor educational institutions and teachers when they start new certification programs in Industry 4.0. Industry membership is available for an annual fee, which they can designate to sponsor schools.



SACA CERTIFICATIONS PREPARE YOU FOR A CAREER IN INDUSTRY 4.0

SACA certifications use a modular structure to enable them to fit into wide range of individual needs, industries, and educational environments

ASSOCIATE CERTIFICATIONS

Certified Industry 4.0 Associate
Basic Operations

Certified Industry 4.0 Associate
Advanced Operations

Certified Industry 4.0 Associate
Robot System Operations

Certified Industry 4.0 Associate
IIoT, Networking & Data Analytics

Associate Level Objectives:

- Prepare for operations in a Smart Factory/ Industry 4.0 environment
- Ideal for operators, IT professionals, maintenance technicians, & engineers

SPECIALIST CERTIFICATIONS

Certified Industry 4.0
Automation Systems Specialist
Install, Troubleshoot, Program, Maintain Factory
Automation 4.0 Systems

Level I

Micro-Credentials

Level II

Micro-Credentials

Certified Industry 4.0
Production Systems Specialist
Operate, Control, Optimize Production 4.0 Systems

Level I

Micro-Credentials

Level II

Micro-Credentials

Certified Industry 4.0
IT Operations Specialist
Install, Troubleshoot, Program IT 4.0 Systems

Level I

Micro-Credentials

Level II

Micro-Credentials

Specialist Level Objectives:

- Prepare for technical skill positions in a Smart Factory/Industry 4.0 environment
- Includes hands-on micro-credentials for skill-building (see outside flap of brochure)

PROFESSIONAL CERTIFICATION

Certified Industry 4.0 Systems
Professional I
Design, Program, Integrate & Analyze

Micro-Credentials

Professional Level Objectives:

- Prepare for engineering positions in a Smart Factory/Industry 4.0 environment
- Focuses on design & optimization of Industry 4.0 systems
- Builds on selected micro-credentials from the Specialist Level Certifications

Certification Quality

- Industry-driven, developed by industry for industry
- Based on International Skill Standards
- Pilot-tested & analyzed to ensure quality
- Proctored hands-on evaluation & online testing
- Annual review of standards & examinations to ensure certifications remain up-to-date

Teacher Training

SACA is highly committed to supporting professional development of teachers to certify them in the process of examining students for a given credential & administering a certification preparation course

**VISIT SACA.ORG
FOR INFORMATION ON:**

- Available Certifications
- Membership Opportunities
- Teacher Training Courses
- SACA's Industry Partners
- Pilot School Opportunities

