

SACA

SMART AUTOMATION CERTIFICATION ALLIANCE

SACA Prepares Learners For A Career In Industry 4.0

Stackable. Industry-Backed. Modular. For Industry and Education.

Certified Industry 4.0 Associate Certifications

- Basic Operations Associate
- Advanced Operations Associate
- Robot Systems Associate
- IIoT, Networking and Data Analytics Associate

Associate Level Objectives:

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

Certified Industry 4.0 Professional Certifications

- Industry 4.0 Professional

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

Certified Industry 4.0 Specialist Certifications

- Automation Systems Specialist
- Electrical Systems Specialist
- Mechanical Systems Specialist
- Control Systems Specialist
- Electro-Fluid Power Systems Specialist
- Robotics Systems Specialist
- Network Systems Specialist
- Operations Specialist
- Production Systems Specialist
- IT Systems Specialist
- Semiconductor Specialist
- Instrumentation Specialist

Specialist Level Objectives:

- Prepare for technical skill positions in a Smart Factory/Industry 4.0 environment
- Includes hands-on micro-credentials for skill-building



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.

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 & administrating a certification preparation course.



Gold & Silver Certifications

All SACA certifications can be attained on two levels:

- **Silver**: This certification is awarded to candidates who successfully pass the written knowledge exam.
- **Gold**: This certification is awarded to candidates that successfully complete the hands-on performance assessments on approved equipment.

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

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.



VISIT SACA.ORG FOR INFORMATION ON:

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

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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. SACA certifications are a great opportunity to upskill current team members for internal company growth. Industry membership is available for an annual fee.



"Technology disruption is widening the gap between student learning and industry relevance of learning. At the same time, it is also shortening the shelf life of degrees and opening up variable pathways of learning. To narrow this gap we are actively participating with the Smart Automation Certification Alliance and other industry stakeholders working alongside education to create relevant standards around Industry 4.0 and more importantly access to relevant stackable learning."

Michael Cook, Director Global Academic Partnerships, Rockwell Automation

Certifications Developed and Validated by Industry

With the help of our partners, SACA has created certifications that are industry-driven, developed by industry, for industry. They are developed through a rigorous process that begins with the creation of truly international skill standards, endorsed by leading experts in Industry 4.0 technologies thoughout the world. Companies that have been involved in the development and validation of SACA certifications include (but are not limited to):

3M
Acieta
Allergan
Amatrol
Amazon
Amcor
Ariens Company
Ashley Furniture Industries
The Boeing Company
Boston Scientific
Carpenter Technology Corporation
CESMII
Cheniere Energy, Inc.
Denso
East Penn Manufacturing Company
Ericsson
FANUC America Corporation
FloridaMakes
Ford Motor Company
Foxconn Electronics Inc.
Generac
Harley-Davidson
The Hershey Company
Intel
Kohler Co.
LIFT
Magna International
Manpower
MxD
Neon Nieto
Nissan North America
Northrop Grumman
Nypro Inc.
Omnitech Automation, Inc.
Oshkosh
Panduit
Parker Hannifin
Rockwell Automation, Inc.
Sargento Foods Inc.
SC Johnson
Schlumberger Limited
Schneider
SME
Smith & Nephew
Snap-on
Stellantis
Tesla
Texas Instruments
UAW - Ford
US ABB
US Cellular
U.S. Department of Energy