

ISA's Certified Automation Professional (CAP) Program Makes a Difference



Greg Lehmann is a Construction Specialist for Instrumentation and Control Systems at Washington Group International. Lehmann states "the CAP program benefits the professional, their employer, and the end-user. The benefits to the professional may be promotion, raises, job portability, and an increased feeling of self worth. The company benefits from the CAP program by being provided a platform by which they are able to validate an employee's qualifications. Hiring companies with CAP certified employees benefits end-users by improving the quality of service that they are contracting."



"The changing landscape in American corporations and so much work shifting offshore creates a very competitive environment," states **Andy Mobley**, Systems Safety Engineer with 3M with over 30 years in instrumentation, controls and automation. Mr. Mobley recommends the CAP as a means for automation professionals to distinguish themselves in the industry.



"CAP provides a professional certification process for the people who work with/in/on the single most important part of the plant, its automation systems" states **Dean Ford**, Director of Automation Solutions, Maverick Technologies. When working with new clients, networking or delivering sales presentations, Mr. Ford promotes the benefits of having Certified Automation Professionals on the job. ISA's CAP program offers the credibility and recognition to elevate above the competition, each and every time. CAP also provides a mean for continuing education and acknowledgement. Companies with CAP's on staff, provide the opportunity to differentiate themselves from their peers.



As owner of Energetic Logic, LLC, **Jacob Jackson** values the credibility offered by ISA's CAP designation. Jackson believes the CAP helps his business be seen as a credible source of knowledge and information and continues to use the CAP logo on his business card for attention from both potential clients and vendors.

Join this group of leaders—get certified today!

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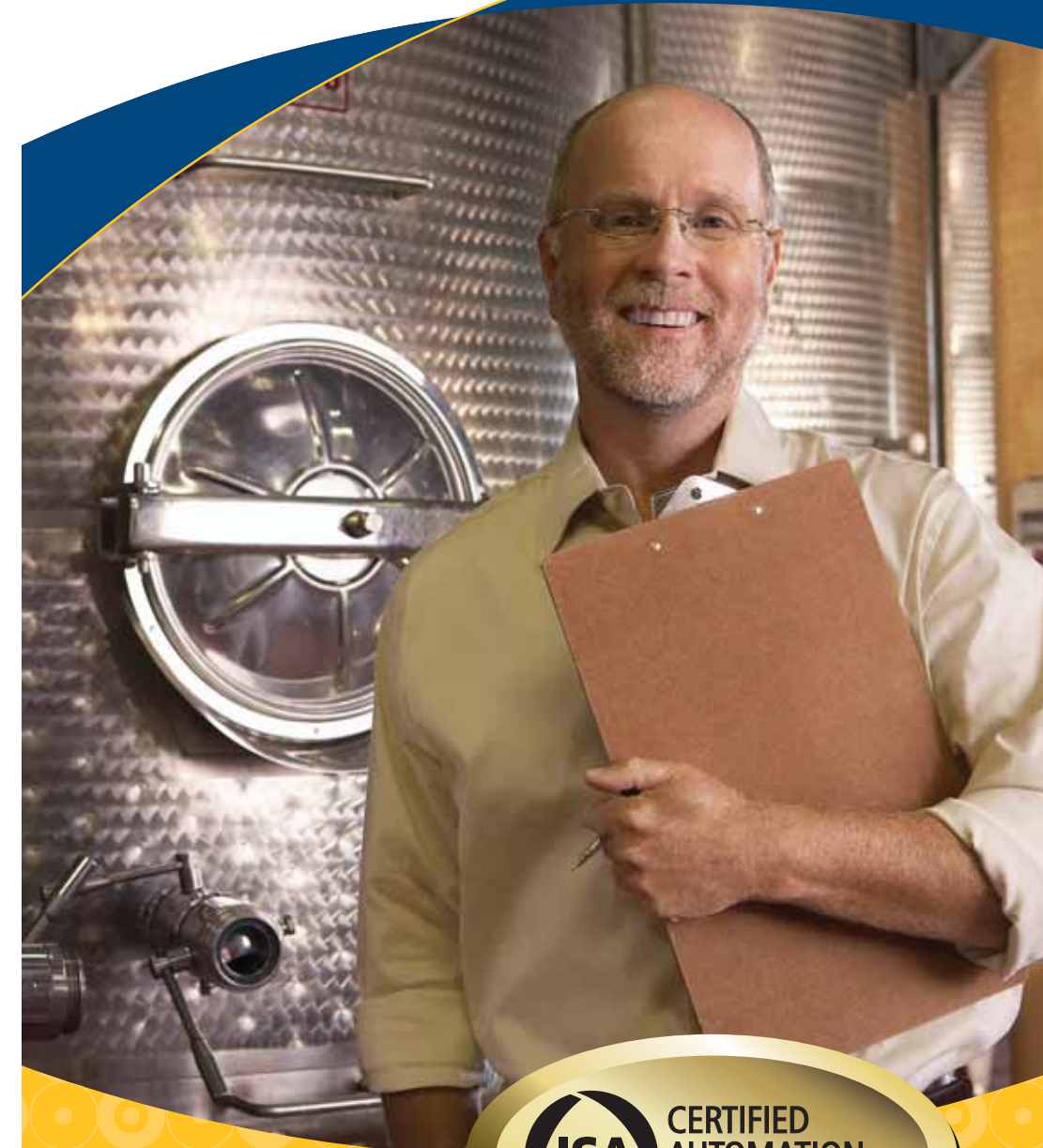


- Sets the standard for the automation professional
- Promotes safety and improves productivity
- Establishes your professional credentials
- Prepares you for additional job responsibilities
- Improves ROI by impacting mission critical decisions
- Proves that you're an automation leader

Get started on YOUR path Today!



Setting the Standard for Automation™



Get Started Today on the Path to Certification

The Benefits of ISA Certified Automation Professional Program (CAP)



Since its beginning, ISA's **Certified Automation Professional (CAP)** program has been identified as a way to enhance credibility and self image, and to encourage life-long learning and professional development.

ISA's CAP program benefits managers and automation professionals by promoting career development and recognition for individuals, and providing measurable hiring qualifications for managers.

The CAP program recognizes and documents an individual's experience, knowledge and education—and provides an objective, third party assessment of his or her skills.

Employers value the Certified Automation Professional (CAP) program for its development of a better trained workforce, promotion of safe work practices, as a qualification tool for hiring and advancement decisions, and as a way to enhance their company image with internal and external customers. Industry managers and leaders in the field recognize that employing certified automation professionals demonstrates a commitment to a safer and more productive workplace.

Certification

ISA certification provides an objective, third-party assessment and confirmation of a person's skills, and gives them the opportunity to stand out from the crowd and be recognized. ISA currently offers three certification programs: Certified Automation Professional® (CAP®), Certified Control Systems Technician® (CCST®), and Certified Industrial Maintenance Mechanic® (CIMM®).

ISA Certified Automation Professional (CAP)

CAPs are responsible for the direction, definition, design, development/ application, deployment, documentation, and support of systems, software and equipment used in control systems, manufacturing information systems, systems integration and operational consulting. CAPs work in process automation and manufacturing automation industries around the globe.

Basic Continuous Control

Process Instrumentation, Analytical Instrumentation, Continuous Control, Control Valves, Analog Communications, Control system Documentation, Control Equipment

Basic Discrete, Sequencing & Manufacturing Control

Discrete Input & Output Devices & General Manufacturing Measurements, Discrete & Sequencing Control, Motor & Drive Control, Motion Control

Advanced Control Topics

Process Modeling, Advanced Process Control, Control of Batch Processes, Environmental, Environmental Monitoring, Building Automation

Reliability, Safety & Electrical

Alarm Management, Reliability, Process Safety & Safety Instrumented Systems, Electrical Installations, Safe Use & Application of Electrical Apparatus

Integration & Software

Digital Communications, Industrial Networks, Manufacturing Execution Systems & Business Integration, System & Network Security, Operator Interface, Data Management, Software, Custom Software

Deployment & Maintenance

Operator Training, Checkout, System Testing, & Startup, Troubleshooting, Maintenance, Long-Term Support & System Management

Work Structure

Automation Benefits & Project Justifications, Project Management & Execution, Interpersonal Skills

CAP Eligibility Requirements

To become an ISA CAP you must meet minimum requirements for work experience and education and pass a multiple choice exam.

The following are acceptable work experience and education requirements:

If you hold a 4 year technical degree:

- **Four-year academic degree** from an accredited educational institution in a technical or technology field including engineering, chemistry, physics, math, etc.
- **Related work experience.** Related experience means a minimum of five years of work in the automation field. One (1) year of work experience means 1,500 hours of active employment. A cumulative total of 7,500 hours of documented work experience is required during the five-year period prior to your application date.

If you hold a 2 year degree or do not have a degree:

- **Related work experience.** Related experience means a minimum of ten (10) years of work in the automation field. One (1) year of work experience means 1,500 hours of active employment. A cumulative total of 15,000 hours of documented work experience is required during the ten (10) year period prior to your application date. An Associate Degree in automation or a related technology from an accredited educational institution will count as two (2) years of work experience.
- **Evidence of responsible charge position.** Two (2) work related references should be submitted that demonstrates that the applicant has had at least two (2) years experience in automation in a position of responsible charge. Each reference should be completed and signed by a former supervisor or someone who is in a position to attest to the applicant's responsibilities. At least one of the references must be signed by a current or former supervisor.

Work experience and educational periods may not overlap when compiling the total number of years required for this certification.

How to Apply

- Visit the ISA web site at www.ISA.org/CAP to download a copy of the CAP Handbook and application.
- Review a list of study resources including the CAP Study Guide, CAP Review Course & CAP Learning System to prepare for the exam.
- Submit your completed application to ISA by the next testing window application deadline. For details on testing windows visit www.isa.org/examschedule.