



Industrial Automation Certification Program

Welcome to our comprehensive Industrial Automation Certification Program. This curriculum is designed to transform you into an Industrial Automation Specialist through six specialized courses covering the most in-demand skills in the industry.

Over 270 hours of training, you'll master AutoCAD Electrical, IoT fundamentals, Industrial Controls, PLC/HMI systems, SCADA, and Industrial IoT. Each certification aligns with growing industry demands across manufacturing, automotive, energy, and pharmaceutical sectors.

Program Overview



Six Specialized Certifications

Complete training in AutoCAD Electrical, Fundamentals of IoT, Industrial Controls and Drivers, PLC HMI and Sensors, SCADA, and Industrial IoT



270 Total Hours

Comprehensive curriculum with hands-on projects and industry-relevant skills



Industry-Aligned

Certifications recognized by leading organizations including Schneider Electric, Autodesk, IBM, and more



Career Outcome

Graduate as an Industrial Automation Specialist ready for roles in manufacturing, automotive, energy, and more





AutoCAD Electrical



Electrical Schematic Design

Master creating professional electrical diagrams and schematics



Panel Layout Drawings

Learn to design detailed panel layouts for industrial applications



PLC and Automation Integration

Integrate programmable logic controllers into your electrical designs

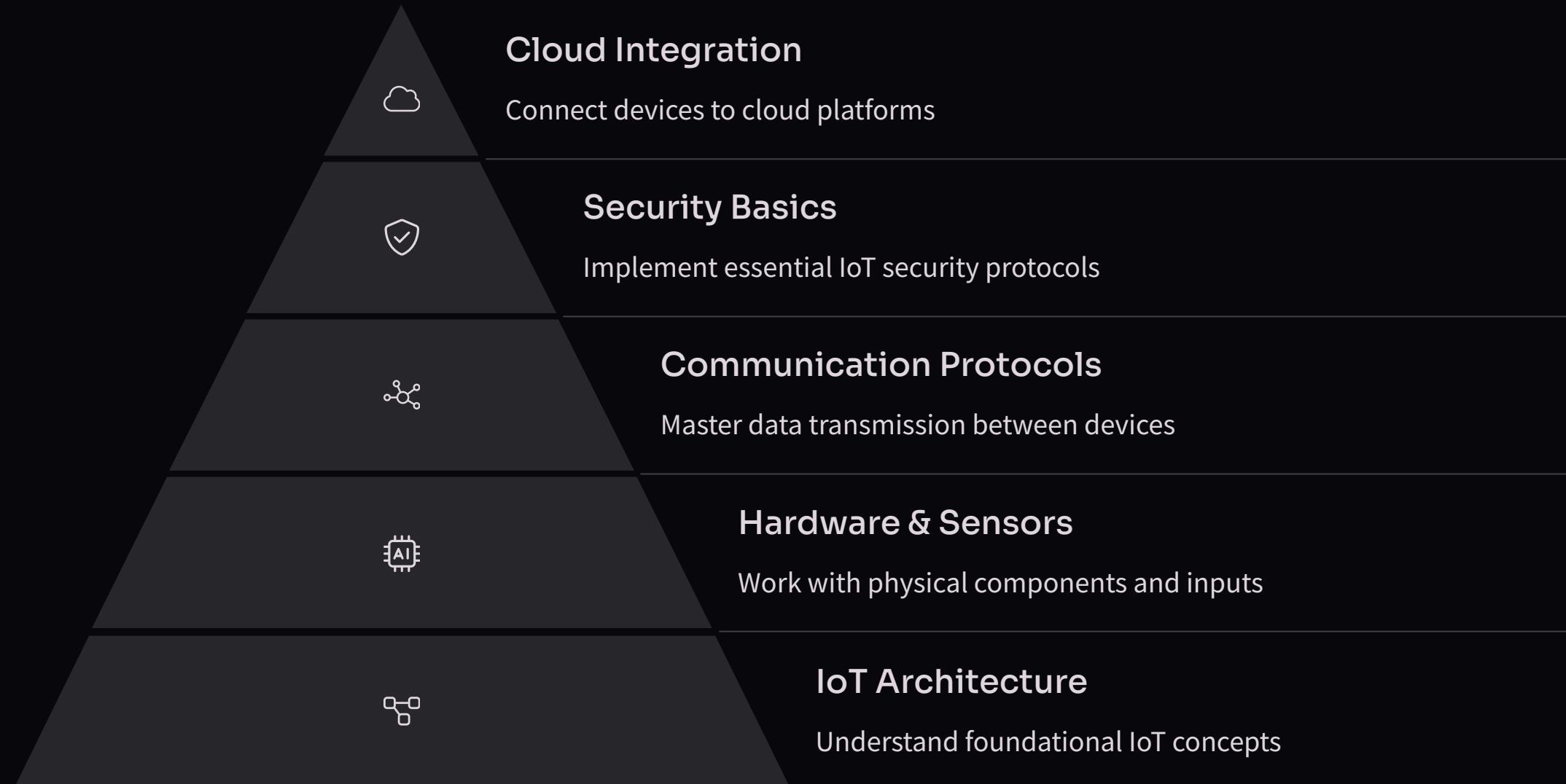


Project Management

Develop skills in documentation and project organization

Certification provided by AutoDesk with typical validity of 3 years, requiring CEUs or re-certification. Graduates qualify for roles such as Electrical CAD Engineer, Electrical CAD Designer, Electrical AutoCAD Design Engineer, Circuit Designer, Control Designer, Energy Transmission Engineer.

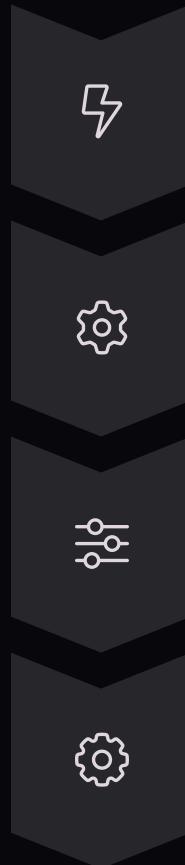
Fundamentals of IoT



This IBM-certified course has no fixed validity period, though continuous learning is recommended. It aligns with India's growing IoT industry and is recognized by organizations like ISACA, NIELIT, and TCS iON. Graduates qualify for roles such as IoT Engineer, IoT Technician, and IoT Solutions Architect.



Industrial Controls And Drivers



Fundamentals of Electrical Machines

Learn the principles behind motors, generators, and transformers that power industrial systems

Motor Starters and Protection

Master the components that safely start, run, and protect industrial motors

Variable Frequency Drives (VFDs)

Understand how to control motor speed and torque for energy efficiency

Troubleshooting and Maintenance

Develop skills to diagnose and resolve issues in industrial control systems

This Schneider Electric certification has no fixed validity period. It prepares students for roles such as Service Engineer, Automation Engineer, and Control Systems Engineer, and is recognized by institutions like K.J. Somaiya College of Engineering and NIELIT.

PLC HMI And Sensors

PLC Programming

Master ladder logic and structured text programming

Capstone Project

Apply skills in real-world automation scenario



HMI Interface

Design intuitive operator interfaces

Communication

Implement industrial networking protocols

This Schneider Electric certification prepares you for roles such as PLC Programmer, HMI Designer, and Automation Engineer. The course has no fixed validity period, though continuous learning is recommended. It's recognized by institutions like Schneider Electric India, Wartens, and Eklavya's Academy.

SCADA Systems



SCADA Software Platforms

Master industry-standard SCADA applications



Data Logging and Reporting

Implement historical data collection systems



Alarm and Event Management

Configure critical notification systems

This Schneider Electric certification covers comprehensive SCADA system design and implementation. The curriculum includes SCADA architecture, communication protocols, HMI design, real-time data acquisition, and security deployment. Graduates qualify for positions such as SCADA Engineer, Automation Engineer, and Control Systems Engineer.

Industrial IoT

IIoT Architecture

Understand the framework that connects industrial systems to the Internet of Things ecosystem

Edge Computing

Process data at the source to reduce latency and bandwidth usage in industrial applications

Predictive Maintenance

Implement systems that forecast equipment failures before they occur, minimizing downtime

Cybersecurity

Protect industrial systems from digital threats with specialized security protocols

This Schneider Electric certification prepares you for the growing Industrial Automation and Digital Transformation sectors. Graduates qualify for roles such as IIoT Engineer, Automation Engineer, and Control Systems Engineer.



Certification Providers



Our Industrial Automation program features certifications from industry-leading providers. AutoDesk certifies the AutoCAD Electrical course, while IBM provides certification for Fundamentals of IoT. Schneider Electric, a global leader in industrial automation, certifies the remaining four courses: Industrial Controls and Drivers, PLC HMI and Sensors, SCADA, and Industrial IoT.

These certifications are recognized by major organizations including Yokogawa, Hindustan Equipments, ISACA, NIELIT, TCS iON, and educational institutions like K.J. Somaiya College of Engineering.

Exit Profile: Industrial Automation Specialist



Upon completing the 270-hour program, you will graduate as an Industrial Automation Specialist equipped to design, implement, and manage automation systems in manufacturing and industrial settings.

You'll possess expertise in control systems, robotics, and process automation that directly improves efficiency, safety, and productivity in factories and production lines. Your skills will be applicable across multiple industries including manufacturing, automotive, oil & gas, energy, pharmaceuticals, and food & beverage.

This comprehensive skill set makes you a valuable asset in India's growing industrial automation sector, with opportunities for both technical specialization and management roles.

Next Steps

6

Certifications

Industry-recognized credentials to
boost your career

270

Training Hours

Comprehensive curriculum with
hands-on projects

100%

Job Readiness

Complete preparation for industrial
automation roles

Ready to transform your career in industrial automation? Our program offers a clear path to becoming an Industrial Automation Specialist through six specialized certifications. With 270 hours of comprehensive training, you'll develop the technical skills and practical knowledge demanded by employers across manufacturing, energy, and other key industries.

