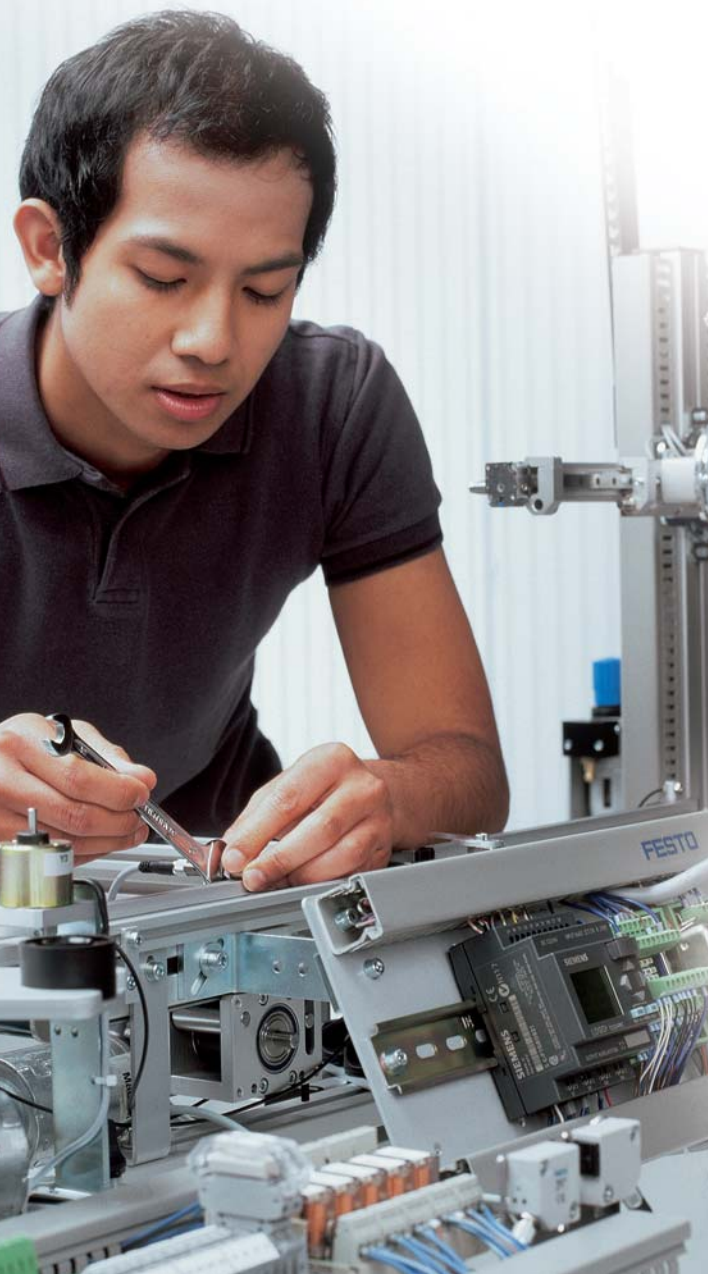


Did you know that Festo has been developing and promoting Mechatronics Education since 1990?

# Mechatronics



## Mechatronics Certification Program

Festo Corporation is a global manufacturer of factory automation components, controls and systems, serving a wide array of manufacturers in numerous industries including automotive, bio-medical, semiconductors, pharmaceuticals, packaging and chemicals.

Festo's Learning Systems Division, manufactures education's broadest product range of training hardware and simulation software, to support workforce development training worldwide.

Our new "Mechatronics Certification Program", enables our education partners, including technical schools, community colleges and universities, to provide certified factory automation training in many basic technologies including:

- Basic and Advanced Pneumatics
- Basic and Advanced Hydraulics
- Electro-pneumatics
- Electro-hydraulics
- Sensor Technology
- PLC Controls Technology
- Robotics
- Industrial Electricity
- Motor Controls

## Festo's Mechatronics Certification Program is different:

Festo's Mechatronics Certification program includes training in all key automation technologies, and enables a student, or production worker, to complete various technology modules individually. Once all modules in the program are successfully completed, and the Mechatronics certification exam is successfully completed, a Mechatronics certificate will be issued.

Instructor certifications, to teach Mechatronics, are also available. Instructor training is available from Festo, and is a "portable" credential, that can be achieved through "in-service" credited instruction.

**Earning and maintaining certification step-by-step...  
It's as easy as 1, 2, 3:**

### Level one:

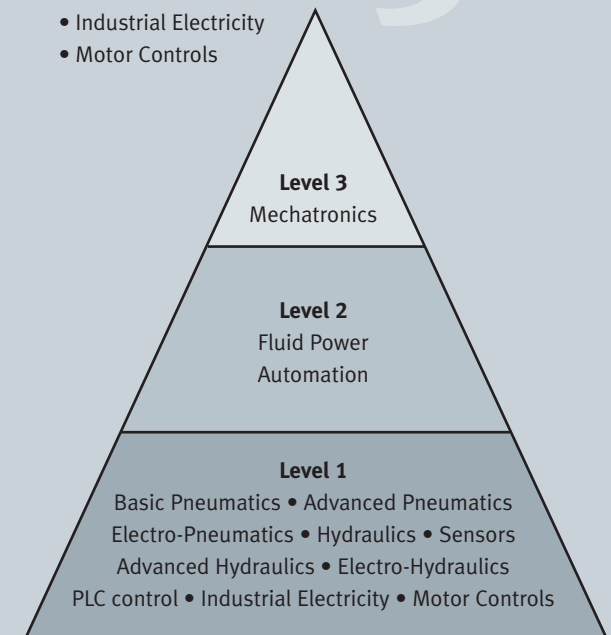
- Basic Pneumatics
- Advanced Pneumatics
- Electro-Pneumatics
- Hydraulics
- Advanced Hydraulics
- Electro-Hydraulics
- Sensors
- PLC control
- Industrial Electricity
- Motor Controls

### Level two:

- Fluid power
- Automation

### Level three:

- Mechatronics



### Certification:

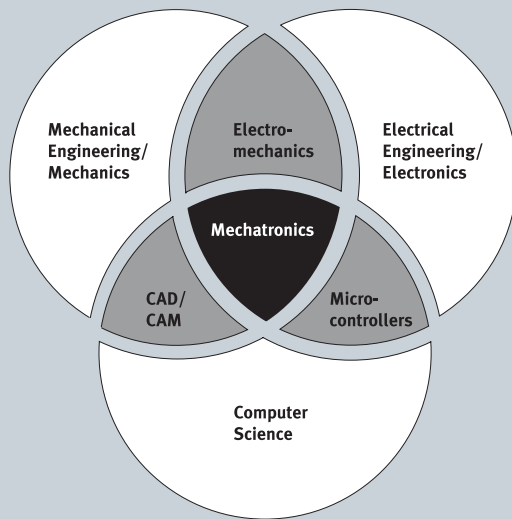
Many funding programs now require a credential above and beyond a course completion certificate of diploma. The Festo Certification Program accomplishes this and adds value to your students' education!

**Please visit our website at**  
[www.festo.com/uslearningsystems](http://www.festo.com/uslearningsystems)

## Mechatronics

Mechatronics is the synergistic combination of mechanical engineering, electrical engineering, electronics, information technology and systems thinking, utilized in the design of products and automation processes.

Festo Learning Systems products provide the ideal environment for Mechatronics training. Our broad array of products including hardware, simulation software, web based training products and a broad array of curriculum, combine to provide the educator with the most comprehensive industrial based training programs available worldwide.



### Technical training objectives include the ability to:

- Analyze functional relationships in mechatronic systems
- Manufacture mechanical components
- Follow information and energy flow in electrical, pneumatic and hydraulic sub-systems
- Plan and organize work flow
- Commission, troubleshoot and repair mechatronic systems
- Communicate using industrial network protocols, including DeviceNet™ and ProfiBus
- Project planning
- Troubleshooting

### Festo Corporation

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MPS® won the Worldidac Award in 1998, 2000, 2002

