

Educational Institutions

Siemens Mechatronic Systems
Certification Program (SMSCP)

[siemens.com/sitrain-smscp](https://www.siemens.com/sitrain-smscp)

How can my educational institution become a Certified Partner School?

Only a selected number of institutions engaging with the SMSCP become Partner Schools. These institutions demonstrate a commitment to advancing systems knowledge and providing quality technical education programs to their local communities.

To become an SMSCP partner School, your institution needs:

- At least two Siemens-certified SMSCP Instructors
- An on-site, fully operational Mechatronic Training System, for practical, hands-on training
- Integration of the systems approach and SMSCP course content into your degree or certificate program
- English as the instructional language of the program
- A written partnership agreement with Siemens

How does Siemens support implementation?

Siemens provides support to Partner Schools at every stage of the implementation process. In the earlier stages, we engage in intense conversations to determine your goals for the program and to share best practices. During Instructor Certification courses, we include implementation discussions to encourage your instructors to discuss how to incorporate the SMSCP course content into your curriculum. As your program matures, we provide guidance and help troubleshoot new challenges. As a partner school, Siemens wants you and your programs to be successful. Thus, we offer a broad level of support to make that happen.

How does Siemens maintain quality?

Siemens ensures quality outcomes for SMSCP schools and students by controlling two major aspects of the certification process. First, our Instructor Certification courses are intense and challenging. During our courses, participants learn the systems approach, instructional techniques, and how to integrate this knowledge into technical curricula. Second, we control the development and administration of student exams. This allows for an objective assessment and validation of technical competence and the systematic thinking of students globally. Through these mechanisms we are able to ensure that instructors are well-versed in the necessary instructional techniques to teach mechatronic systems in an applied, integrated fashion and that students have mastered both the technical skills and the applied thinking necessary to be successful in industry.

What equipment is needed to teach SMSCP courses?

Systems approach teaching requires partner schools to have and use a mechatronic training system. As the SMSCP is vendor neutral, we can provide you with a list of hardware requirements, containing mandatory components, including Siemens PLCs. The SMSCP has relationships with corporate partners, who are specialized in mechatronic training system equipment, are well versed in our hardware requirements, and can help you assess your needs when purchasing a system.

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