

Siemens Mechatronics Systems Board Certificate

Take your electrical, mechanical and computer engineering knowledge to the next level with the Siemens Mechatronics Systems Certification Program.

Recognition of Achievement
On campus
Winter start



S | Be industry-ready and in-demand with the
Siemens Mechatronics Systems Certification.

Advance your skills in modern technologies

In collaboration with Siemens, Sheridan is pleased to offer the Siemens Mechatronics Systems Certification Program (SMSCP) in Canada. The Mechatronics certification integrates electrical, mechanical and computer engineering and delivers a comprehensive industry certification to address complex modern technologies.

Increasingly, technicians and engineers need a holistic understanding of mechatronics systems in order to manage technical challenges. In a rapidly evolving technological world, Siemens drives professional education to fill industry demands in the operation, maintenance, and troubleshooting of complex systems. With a focus on system-level analysis and hands-on learning, the emphasis of the SMSCP is on comprehensive mechatronics skills with a deep level of troubleshooting capability and technical problem solving.

Sheridan is thrilled to work with Siemens to produce exceedingly capable talent through the SMSCP. Together, we're building global skills through local engagement.

Career Opportunities

Expanding your technical skills to include mechatronics systems can offer a career in a large number of sectors including energy, healthcare, transportation, automotive, manufacturing, food processing, packaging, waste management, and automation.

Sample job titles

- Field Service Technician
- Assembly Operator
- Plant Mechanical Operator
- Electromechanical Technician
- Automation Technician

Curriculum

Underlying the curriculum for the Siemens Mechatronics Certification Program is the Systems Approach which combines the study of electrical, mechanical and computer engineering in one sought-after certification.

Students complete the Siemens Mechatronics Systems Certification Program in one semester and take all four compulsory courses concurrently.

Courses

ENGI75979	(Electro) Pneumatic and Hydraulic Control Circuits	60 hours
ENGI75999	Digital Fundamentals and PLCs	60 hours
ENGI75940	Electrical Components	60 hours
ENGI75900	Mechanical Components and Electrical Drives	60 hours

Students are required to have a laptop for on-campus study.

Note: Please refer to caps.sheridancollege.ca for more detailed information.

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Website:
caps.sheridancollege.ca



Phone:
905-845-9430, option 3



Email:
capsinfo@sheridancollege.ca

Sheridan

Faculty of Continuing
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