



# Siemens Mechatronic Systems Certification Program at Simon Fraser University

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## Proposal

School of Mechatronic Systems Engineering  
March 22, 2018

**SFU**  
SIMON FRASER UNIVERSITY  
SURREY

# Program Highlights

The Siemens Mechatronic Systems Certification Program (SMSCP) at Simon Fraser University (SFU) is an internationally recognized industry training program. The main goal of the program is to train participants on state-of-the-art industrial equipment and endorse successful candidates with world-renowned certificate from Siemens, the largest industrial manufacturing company in Europe.

SMSCP at SFU Mechatronics consists of two levels. Each level is comprised of multiple courses as shown in the table below. The recommended duration in hours is designed for high school graduates with no prior technical experience. The recommended time frame for each course is 60 hours which can be compressed to a minimum of 40 hours (i.e. 4 weeks for Level-1 and 6 weeks for Level-2).

Level	Course	Recommended Duration
Level-1 Siemens Certified Mechatronic Systems Assistant*	1. Electrical	60 hours
	2. Mechanical	60 hours
	3. Pneumatics and Hydraulics	60 hours
	4. Digital Fundamentals and PLCs	60 hours
	<b>Recommended Total</b>	<b>240 hours</b>
Level-2 Siemens Certified Mechatronic Systems Associate*	1. Process Control Technologies	60 hours
	2. Introduction to Totally Integrated Automation	60 hours
	3. Automation Systems	60 hours
	4. Motor Controls	60 hours
	5. Mechanics and Machine Elements	60 hours
	6. Manufacturing Processes	60 hours
	<b>Recommended Total</b>	<b>360 hours</b>

\* For more details information about each course please visit [mse.sfu.ca/siemens](https://mse.sfu.ca/siemens)

Upon completion of all courses for a specific level, the participant undertakes an online examination at SFU Surrey campus designed and administered by Siemens (separate fee). Upon successfully passing the examination the participant receives a certificate from Siemens in addition to certificate of attendance from SFU Mechatronics.