



Siemens Mechatronic Systems Certification Program at Simon Fraser University

Proposal

School of Mechatronic Systems Engineering
March 22, 2018

SFU

SIMON FRASER UNIVERSITY

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 |
| | Recommended Total | 240 hours |
| 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 |
| | Recommended Total | 360 hours |

* For more details information about each course please visit 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.