Control Systems and Robotics

Certificate of Completion (Catalog Year: 2026)

Foundational Courses (14 Credits / 420 Clock-Hours)

		Credits	Clock-Hours
TECE 1000	Industrial Networking Basics	1	30
TECE 1050	Vision Systems Basic	1	30
TECE 1100	Programmable Logic Controllers II	3	90
TECE 1150	Human Machine Interface (HMI) Programming	2	60
TECE 1200	Industrial Networking II	2	60
TECE 1250	Servo Motors and Drives	1	30
TECE 1800	Integration Capstone	4	120

Supplemental Courses Varies by Institution

Bridgerland (6 Credits / 180 Clock-Hours)

		Credits	Clock-Hours
TECE 1300	Programmable Logic Controllers III	3	90
TECE 1500	FANUC Basic Programming	1	30
TECE 1550	FANUC ROBOGUIDE Simulation Software	2	60
TECE 1620	Robot Vision and Safety	1	30
TECE 1700	FANUC Advanced Programming	1	30
TECE 2800	Project Based Learning in Controls	1	30