

MECHATRONICS I: CONTROLS CERTIFICATE [6842]

30 CREDIT HOURS



SEQUENCE START: Fall Spring Summer

ENROLLMENT: Full-time Part-time

COURSE OFFERINGS: Day Night Online Open Learning / Flex

FIRST YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
MAIN 101 ^P	Industrial & Building Electricity and Systems	3	
MECH 110 [*]	Networking for Automated Controls	3	
MECH 135 [*]	Introduction to Programmable Controllers	3	
TECH 101 [*]	Introduction to Tools	1	
TECH 172 or TECH 272	30 Hour OSHA Construction or General Industry Safety (<i>online</i>)	1-2	
TMAT 103 or MATH 109	Technical Mathematics I or College Algebra for Math & Science	4	
MAIN 220 ^{**P}	Mechatronics		3
MECH 145 ^{**}	Introduction to Robotics		3
MECH 235 ^{**P}	Industrial & Building Controllers I		3
Total Credit Hours		15	9

SECOND YEAR	COURSE NAME	CREDIT HOURS	
		FALL	SPRING
MAIN 202 ^P	Introduction to Fluid Power	3	
MECH 245 ^{*P}	Robotics & Automated Controls I	3	
Total Credit Hours		6	--

* denotes a fall only class

**denotes a spring only class

^Pdenotes course with a prerequisite

^{*}proficiency exam available