

# Associate in Applied Science

## Mechatronics and Robotics Systems

### Year 1

1st Semester			Credit	Contact	√
ELEC	130	Circuit Fundamentals I	4	4	
ELEC	285	Fluid Power	4	4	
ENGL	101	Rhetoric and Composition	3	3	
APRVE	004	Approved Elective 4 Credit	4	4	
Total Hours:			15	15	

2nd Semester			Credit	Contact	√
BUSN	177	Mathematics of Business	3	3	
ELEC	145	Basic Process Control	4	4	
ELEC	180	Electrical Machinery & Controls	4	4	
APRVE	004	Approved Elective 4 Credit	4	4	
Total Hours:			15	15	

### Year 2

3rd Semester			Credit	Contact	√
HMSB	003	Humanities/Social Behavioral Electi	3	3	
ELEC	240	Real Time Robotics Systems	4	4	
ELEC	290	Intro Programmable Logic Controller	4	4	
GEELE	003	GenEd Elective 3 Credit	3	3	
Total Hours:			14	14	

4th Semester			Credit	Contact	√
ELEC	245	Robotic Vision Systems	4	4	
ELEC	295	Mechatronics	4	4	
GEELE	003	GenEd Elective 3 Credit	3	3	
APRVE	005	Approved Elective 5 Credit	5	5	
Total Hours:			16	16	

<b>Program Total:</b>	<b>60</b>	<b>60</b>
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Approved Electives: (Choose at least 13 credits): CNSS 130 (4), CNSS 150 (4), CNSS 220 (4), ELEC 135 (4), ELEC 160 (4), ELEC 170 (4), ELEC 272 (1-8), TECH 100 (4), TECH 101 (2), TECH 105 (4), WELD 110 (4), WELD 120 (4), any general education course (3).

Humanities/Social Behavioral Elective can be any humanities or social and behavioral science general education course (see College catalog). GenEd Elective Elective can be any general education course (see College catalog).

Notes: BUSN 177 may be substituted with MATH 105 or MATH 107. All internships and co-ops require a criminal background check.

This map is intended to be used in conjunction with your academic advisor.