

# Mechatronics Engineering Technology (A40350)

## Associate in Applied Science

### Full-Time Program Guide

**Program Notes:**

- Mechatronics associate degree requires Work-Based Learning (WBL). For WBL courses, students must complete an intake form with their advisor.
- Credit for prior learning may be available for some courses.

**Program Options:** Mechatronics offers an associate degree (A40350), diploma (D40350), and certificate (C40350).

**Financial Aid Eligibility:** Yes

Course #	Course Name	Credit Hrs.	Term Offered	Term Completed	Grade
<b>Fall Semester</b>					
ACA 122	College Transfer Success	1	F, S, SU		
MAT 171	Precalculus Algebra	4	F, S, SU		
ENG 111	Writing and Inquiry	3	F, S, SU		
MNT 110	Intro. to Maintenance	2	F		
ATR 112	Intro. to Automation Intro.	3	F		
CIS 110	Intro. to Computers	3	F, S, SU		
<b>Semester Totals:</b>		<b>16</b>			
<b>Spring Semester</b>					
PHY 151	College Physics I	4	F, S*		
XXX	Communications Elective	3	See List		
ELC 112	DC/AC Electricity	5	S		
HYD 110	Hydraulics	3	S		
<b>Semester Totals:</b>		<b>15</b>			
<b>Summer Semester</b>					
ELC 117	Motors and Controls	4	SU		
WBL 111	Work-Based Learning I	1	F, S, SU		
WBL 115	Work-Based Learning Seminar I	1	F, S, SU		
<b>Semester Totals:</b>		<b>6</b>			

<b>Fall Semester</b>			
<b>ISC 170</b>	Problem Solving	3	F
<b>ELC 115</b>	Industrial Wiring	4	F
<b>ELC 128</b>	Intro to PLC's	3	F
<b>ELC 213</b>	Instrumentation	4	F
<b>ISC 112</b>	Industrial Safety	2	F
<b>BPR 111</b>	Blueprint Reading		F
<b>OR</b>	OR	2	
<b>BPR 115</b>	ELC/ Fluid Power Diagrams		F
<b>Semester Totals:</b>		<b>18</b>	
<b>Spring Semester</b>			
<b>DFT 119</b>	Basic CAD	2	S
<b>MEC 130</b>	Mechanisms	3	S
<b>ELC 113</b>	Residential Wiring		S
<b>OR</b>	OR	4	
<b>ELC 228</b>	PLC Applications		S
<b>XXX</b>	Social/Behavioral Science Elective	3	See List
<b>XXX</b>	Humanities Elective	3	See List
<b>Semester Totals:</b>		<b>15</b>	
<b>Program Totals:</b>		<b>70</b>	

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs.</b>	<b>Term Offered</b>
<b><i>Humanities Electives: Choose 1</i></b>			
<b>HUM 110</b>	Technology and Society	3	F
<b>HUM 115</b>	Critical Thinking	3	F, S, SU
<b><i>Social/Behavioral Science: Choose 1</i></b>			
<b>ECO 251</b>	Principles of Microeconomics	3	F, S, SU
<b>ECO 252</b>	Principles of Macroeconomics	3	F, S, SU
<b>PSY 150</b>	General Psychology	3	F, S, SU
<b>SOC 210</b>	Intro. to Sociology	3	F, S, SU
<b><i>Communications Elective: Choose 1</i></b>			
<b>COM 120</b>	Intro to Interpersonal Comm.	3	F, S
<b>COM 231</b>	Public Speaking	3	F, S, SU