



## Engineering Technology w/Emphasis in Mechatronics Associate in Science

### **Program Requirements:**

"Program Requirements" specify the courses required for this program. See suggested course sequence for additional information.

## Suggested Course Sequence

The "Suggested Course Sequence" is an example of how to complete the requirements plus any additional general education that may be needed. If you would like to create a personalized Student Education Plan (SEP), schedule a meeting with a counselor.

SUMMER SEMESTER (YEAR 1)			SPRING SEMESTER (YEAR 1)		
Course	Title	Units	Course	Title	Units
<input type="checkbox"/> ET 100	Computer Aided Drafting and Design	3	<input type="checkbox"/> EL 122	Electronic Devices and Circuits	3
<b>Total Units</b>		3	<input type="checkbox"/> EL 123	Electronic Devices and Circuits Laboratory	2
<b>Tasks</b>			<input type="checkbox"/> ENGL 101	Freshman Composition: Exposition	4
FALL SEMESTER (YEAR 1)			<input type="checkbox"/> elective	major elective group 1	3
Course	Title	Units	<input type="checkbox"/> HED 100	Social and Personal Health and Wellness	3
<input type="checkbox"/> ET 104	Introduction to Robotics and Mechatronics	3	<input type="checkbox"/> MT 117	Print Reading and Interpretation	3
<input type="checkbox"/> EL 118	Fundamentals of DC and AC Circuits Analysis	3	<b>Total Units</b>		18
<input type="checkbox"/> EL 119	Fundamentals of DC and AC Circuits Analysis Laboratory	2	<b>Tasks:</b>		
<input type="checkbox"/> AHC GE Req	Area 2: Mathematical Concepts and Quantitative Reasoning	3-5	• Set up Jobspeaker		
<input type="checkbox"/> AHC Grad Req	Dance or Physical Activity	.5-3	• Attend Career Exploration Day		
<input type="checkbox"/> AHC GE REQ	Area 4B:United States History and Government	3	• Complete the FAFSA or Dream Act by March 2		
<b>Total Units</b>		11.5-16	• Apply AHC Scholarship		
<b>Tasks:</b>					
• Complete Career Exploration					
• Meet with Counselor (SEP)					
• Visit library and tutoring					
• Review Financial Aid Req.					
• Apply AHC Scholarship					

## FALL SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> EL 125	Digital Devices and Circuits	3
<input type="checkbox"/> EL 126	Digital Devices and Circuits Lab	2
<input type="checkbox"/> PHSC 111	Matter, Energy and Molecules	4
<input type="checkbox"/> AHC GE REQ	Area 4A: Social and Behavioral Sciences	3
<input type="checkbox"/> AHC GE REQ	Area 1B: Oral Comm. and Critical Thinking	3
<input type="checkbox"/> AHC GE Req	Area 6: Ethnic Studies	3
<b>Total Units</b>		<b>18</b>

### Tasks:

- Meet with a Transfer Counselor
- Develop Resume at Career Center
- Review Financial Aid Requirements
- Apply for AHC Scholarship

## SPRING SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> CS 111	Fundamentals of Programming 1	4
<input type="checkbox"/> EL 146	Electronic Product Design, Fabrication and Documentation	2
<input type="checkbox"/> MT 109	Survey of Machining and Manufacturing	4
<input type="checkbox"/> elective	major elective group 2	3
<input type="checkbox"/> elective	major elective group 3	3
<input type="checkbox"/> AHC GE REQ	Area 4B: United States History and Government	3
<b>Total Units</b>		<b>19</b>

### Tasks:

- Apply for Degree with Counseling
- Utilize Job Search Resources
- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day