

**First Fall Semester (August – December)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">EST 103</a>	Principles of DC Circuits Theory	84	3
<a href="#">EST 106</a>	Principles of DC Circuits Lab	84	3
<a href="#">EST 267</a>	Rework, Repair, and Surface Mount Soldering	42	1.5
<a href="#">AED 100</a>	Automated External Defibrillator	14	.5
<a href="#">HAZ 100</a>	Hazardous Materials Safety	14	.5
Total		238	8.5

**First Spring Semester (January – May)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">EST 109</a>	Principles of AC Circuits Theory	84	3
<a href="#">EST 112</a>	Principles of AC Circuits Lab	84	3
<a href="#">RBTC 210</a>	Mechanic Systems	42	1.5
<a href="#">WLD 232</a>	Welding Process	56	2
Total		266	9.5

**First Summer Session (May – July)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">CIS 102</a>	Windows Applications for Technicians	48	3
	• Selected A.A.S. Course	48	3
	• Selected A.A.S. Course	48	3
Total		144	9

**Second Fall Semester (August – December)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">EST 115</a>	Electronic Devices I Theory	84	3
<a href="#">EST 118</a>	Electronic Devices I Lab	84	3
<a href="#">RBTC 207</a>	Fluid Power	84	3
Total		252	9

**Second Spring Semester (January – May)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">EST 121</a>	Digital I Theory	84	3
<a href="#">EST 124</a>	Digital I Lab	84	3
<a href="#">RBTC 205</a>	Programmable Logic Controllers	84	3
Total		252	9

**Second Summer Session (May – July)**

Course Number	Course Title	Clock Hours	Credit
<a href="#">RBTC 200</a>	Blueprint Reading/Solid Modeling	84	3
	• Selected A.A.S. Course	48	3
	• Selected A.A.S. Course	48	3
Total		180	9

# Robotics Online

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## Third Fall Semester (August – December)

Course Number	Course Title	Clock Hours	Credit
<a href="#">EST 214</a>	Digital II Theory	84	3
<a href="#">EST 216</a>	Digital II Lab	84	3
<a href="#">RBTC 219</a>	Programmable Logic Controllers Applications	84	3
Total		252	9

## Third Spring Semester (January – May)

Course Number	Course Title	Clock Hours	Credit
<a href="#">RBTC 202</a>	Robotic Engineering	84	3
<a href="#">RBTC 227</a>	Flexible Manufacturing Systems	56	2
MTT 228	Introduction to Machine Tool	112	4
Total		252	9

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements. Students should speak with an advisor before selecting transferable courses.

### **Behavioral Science**

[PSYC 100](#) – Psychology of Human Relations  
[PSYC 101](#) – General Psychology \*

### **Communications**

[COMM 101](#) – Contemporary Communication  
[ENGL 101](#) – Composition \*  
[SPCM 101](#) – Fundamentals of Speech \*

### **Mathematics**

[MATH 100](#) – Applied General Math  
[MATH 101](#) – Intermediate Algebra  
[MATH 102](#) – College Algebra \*

### **Social Science**

[ECON 101](#) – Economic Geography  
[ECON 201](#) – Principles of Microeconomics I \*  
[ECON 202](#) – Principles of Macroeconomics II \*  
[SOC 100](#) – Introduction to Sociology \*

**Note:** Labs will be on campus and scheduled in order to best accommodate all enrolled students.