

First Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
EST 103	Principles of DC Circuits Theory	84	3
EST 106	Principles of DC Circuits Lab	84	3
EST 109	Principles of AC Circuits Theory	84	3
EST 112	Principles of AC Circuits Lab	84	3
• Selected Math Course		48	3
• Selected General Education Course		48	3
Total		432	18

Spring Semester

Course Number	Course Title	Clock Hours	Credits
EST 115	Electronic Devices I Theory	84	3
EST 118	Electronic Devices I Lab	84	3
EST 121	Digital Theory	84	3
EST 124	Digital Lab	84	3
EST 267	Rework, Repair, and Surface Mount Soldering	42	1.5
RBTC 210	Mechanical Systems	42	1.5
CIS 102	Windows Applications for Technicians	48	3
Total		468	18

Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
EST 214	Digital II Theory	84	3
EST 216	Digital II Lab	84	3
RBTC 200	Blueprint Reading/Solid Modeling	84	3
RBTC 205	Programmable Logic Controllers	84	3
RBTC 207	Fluid Power	56	2
• Selected General Education Course		48	3
Total		468	18

Spring Semester

Course Number	Course Title	Clock Hours	Credits
EST 246	Circuit Board Design and Layout	84	3
EST 247	Microcontroller BS2	112	4
EST 262	Electronic Devices II	112	4
RBTC 202	Robotic Engineering	84	3
AED 100	Automated External Defibrillator	14	.5
HAZ 100	Hazardous Materials Safety	14	.5
• Selected General Education Course		48	3
Total		468	18

- 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 105](#) – Leadership in the Global Workplace
- [ECON 201](#) – Principles of Economics I (Micro) *
- [ECON 202](#) – Principles of Economics II (Macro) *
- [SOC 100](#) – Introduction to Sociology *