Electronics Technology

The electronics technology program is one of the most established and respected programs within the electronics technology discipline. It is a computer-based program in which electronics technology theory and practice receive equal emphasis as applied to both financial and managerial electronics technology issues. It intends to support the career objectives of those looking to enter the job market upon graduation, as well as the academic needs of those looking to pursue advanced degrees. Required course work covers areas critical to success in today's electronics technology workplace:

- Technical electronics technology knowledge
- Communication and interpersonal skills
- Career-related computer literacy
- A laptop computer is recommended, but not required, for students entering the electronics technology program.

Courses

Course Number	Course Title	Credits
ELECT 1100	Electricity and Electronics Fundamentals	3 Credits
ELECT 1101	Circuits I	3 Credits
ELECT 1102	Circuits II	4 Credits
ELECT 1105	Electricity/Electronics for Mechatronics	3 Credits
ELECT 1110	Introduction to Technology	2 Credits
ELECT 1111	Introduction to Robotics	3 Credits
ELECT 1118	Calculus for Electronics	2 Credits
ELECT 1120	Electronic Documentation	2 Credits
ELECT 1130	Electronics Materials and Fabrication	2 Credits
ELECT 1141	Digital Fundamentals	3 Credits
ELECT 1142	Digital Components and Architecture	3 Credits
ELECT 1151	Electronic Devices and Applications	4 Credits
ELECT 1152	Electronic Devices and Applications 2	4 Credits
ELECT 1161	Electronic Communications	4 Credits
ELECT 1162	Electronic Communication 2	4 Credits
ELECT 1201	Renewable Energy Fundamentals	2 Credits
ELECT 1221	Intro- Biomedical Instrumentn Technology	3 Credits
ELECT 1820	Selected Topics I	1-4 Credits
ELECT 1840	Independent Study	1-4 Credits

Course Number	Course Title	Credits
ELECT 2001	Green Energy Systems	3 Credits
ELECT 2112	Motor Control	3 Credits
ELECT 2201	Applied Electronics	5 Credits
ELECT 2202	Advanced Applied Electronics	5 Credits
ELECT 2205	Electronics Assembly Technology	3 Credits
ELECT 2210	Advanced Calculus for Electronics	2 Credits
ELECT 2215	Smart Grid Fundamentals	3 Credits
ELECT 2220	Elect Instruments Measurements & Control	3 Credits
ELECT 2221	Electronic Instruments, Measurements and	3 Credits
ELECT 2231	Digital Computer Electronics	4 Credits
ELECT 2241	Wireless Telecommunications 1	3 Credits
ELECT 2242	Wireless Telecommunications 2	3 Credits
ELECT 2245	Programmable Logic Devices	4 Credits
ELECT 2255	Industrial Controls	3 Credits
ELECT 2261	Digital Circuits and Systems	4 Credits
ELECT 2262	Introduction to Microprocessors	4 Credits
ELECT 2273	Embedded Systems & Microcntrlr Program	3 Credits
ELECT 2860	Internship (Career & Technical Ed)yCoop Ed/Internship Occup	1-4 Credits
ELECT 2865	Internship Advanced (Career & Tech Ed)	1-4 Credits