

# Electronic Technology

## Associate in Applied Science Degree

This two-year degree program is designed to give the training needed for the installation, maintenance, operation and servicing of electronic systems in industry. This is an occupational program typically not designed to transfer; however, this program has been articulated to some senior institutions. Please contact a counselor for specific details.

**Designated as a Partnership for College & Career Success program.**

***First time degree seeking students must complete INST101, Success in College, as a requirement for graduation.***

REQUIRED COURSES	HOURS	F,S,I,SU	GRADE
<b>First Semester</b>			
ELEC 160 Intro. to Electricity—Electronics	5		
ELEC 168 Industrial Electricity	4		
ELEC 175 PC Applications in Electronics	2		
* MATT 133 Technical Math I	4		
Total	15		
<b>Second Semester</b>			
ELEC 167 Electronic Circuits I (pre: ELEC 160)	4		
ELEC 273 Digital Electronics (pre: ELEC 160)	4		
ELEC 269 Programmable Controllers (pre: ELEC 160)	3		
* MATT 134 Technical Math II	3		
* Communications Elective (ENGL 101 or 121)	3		
Total	17		
<b>Third Semester</b>			
ELEC 275 Industrial Automation: PLC-5 (pre: ELEC 269)	5		
ELEC 274 Digital Electronics II (pre: ELEC 273)	4		
ELEC 220 Opto-Electronics (pre: ELEC 167)	4		
INFO 245 Employment Seminar	1		
* Social Science Elective	3		
Total	17		
<b>Fourth Semester</b>			
ELEC 276 Advanced Automation Techniques (pre: ELEC 275)	5		
ELEC 250 Pneumatics & Controls	4		
ELEC 277 Siemens PLCS	3		
* Humanities Elective	3		
* Communication Elective	3		
Total	18		

Total Hours 67

\* General Education.

See list of Human Relations requirements.

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This program is a capstone with SIU and a cooperative with EIU and WIU.

NOTE: Pre-Tech Math (MATT 132) is available for students needing preparation for MATT 133.

Enrollment in developmental classes may increase the length of time it takes to complete an associate degree.