

ELECTRONICS TECHNOLOGY

Electronics Technology pertains to the maintenance and repair of all types of electrical and electronic equipment, including motor controllers, digital controllers, and instrumentation controls found in various industrial plants in this area. Industrial Electronics is a broad field that encompasses manufacturing, medical, and safety controls and environmental equipment, as well as pneumatics and hydraulics.

Present job opportunities include electricians' technician, control technician, electronic instrumentation repairer, troubleshooter, equipment installer, wiring and general building maintenance (electrical) mechanic.

Certificate programs are available in Electronics, including Motor Controls, and Residential Wiring. Students may elect to prepare for degree, diploma or certificate.

INDUSTRIAL ELECTRICITY/ELECTRONICS

Diploma: Applied Science in Electricity/ Electronics (DAS.EEM)

Credits Required for Graduation: 46

Overall Grade-point average of 2.00 (C=2) on all college work presented to fulfill program requirements.

Complete course work in the following areas:

A. General Education: 12 credits		Credits
ENG 155	Communications I	3
HSS 205	Technology and Society	3
MAT 155	Contemporary Mathematics	3
PSY 103	Human Relations	3
B. Major Courses: 31 credits (minimum)		
CPT 101	Introduction to Computers	3
EEM 115	DC Circuits	4
EEM 116	AC Circuits	4
EEM 140	National Electrical Codes	3
EEM 151	Motor Controls I	4
EEM 160	Industrial Instrumentation	3
EEM 165	Residential/Commercial Wiring	4
EEM 201	Electronic Devices I	3
EEM 251	Programmable Controllers	3
C. Electives: 3 credits		
Electives		3