

Electrical Technology - Specialization in Energy Technology

Associate of Applied Science Degree

Program Coordinator:

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Program Purpose: This program is designed to prepare students for employment upon graduation as electrical technicians with emphasis on installation, power distribution, controls, programmable controls, mechanical systems and the maintenance of industrial machinery.

First Semester (Fall)		
ENG 111 or ENG 115	College Composition I or Technical Writing	3
DRF 161	Blueprint Reading	2
ELE 111	Home Electric Power I	3
ELE 133	Practical Electricity I	3
ITE 100	Introduction to Information Systems ¹	3
SAF 130	Industrial Safety-OSHA 10	1
SDV 101	Orientation to College Success	1
Total Credits		16
Second Semester (Spring)		
ELE 134	Practical Electricity II	3
MTH 111	Basic Technical Mathematics	3
ELE 141	DC & AC Machines	4
ELE 112	Home Electric Power I	3
ELE 131	National Electrical Code I	3
Total Credits		16
Third Semester (Fall)		
ENE 100	Conventional and Alternate Energy	4
MUS 121 or REL 230	Music Appreciation I or Religions of the World ²	3
ELE 176	Introduction to Alternative Energy Including Hybrid Systems	3
ELE 175	Industrial Solid State Devices & Circuits	3
ELE 245	Industrial Wiring	3
Total Credits		16
Fourth Semester (Spring)		
ELE 177	Photovoltaic Energy Systems	4
ENE 200	Power Monitoring	4
ELE 132	National Electrical Code I	3
BUS 100	Introduction to Business ³	3
PED	Physical Education	1
ECO 201 or PSY 120	Principles of Macroeconomics or Human Relations ⁴	3
Total Credits		18

Total minimum credits for AAS Degree

66



Students completing SAF 130 are eligible to take the OSHA-10 exam.

- Students completing this program are eligible to sit for NABCEP® (North American Board of Certified Energy Practitioners®) Certification.

¹ ITE 115 or ITE 119 are acceptable substitutes

² Recommended Humanities Elective

³ Recommended General Education Elective

⁴ Recommended Social Science Elective