

Industrial Electricity

Career Studies Certificate

Program Coordinator: Donnie Melvin • ISC 142A • 276-739-2453

Length: Two Semesters (One year)

Purpose: The Career Studies Certificate program in Industrial Electricity is designed to update the skills for full-time employment as an industrial electrician. A student who completes the program is capable of performing the job skills normally expected of beginning industrial electricians.

Occupational Objectives: Industrial or maintenance electrician.

Admission Requirements: See the section on admission requirements in this catalog. A student eligible for admission to the College can normally be considered for admission to the Industrial Electricity program.

Program Requirements: All courses in this curriculum will be technical electrical courses. These courses will be transferable to the regular Electricity Certificate or on of the three AAS programs in Electrical Technology.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
First Semester (Fall)				
ELE 133	Practical Electricity I	2	2	3
ELE 245	Industrial Wiring	2	3	3
ELE 175	Industrial Solid State Devices	2	3	3
MEC 161	Hydraulics and Pneumatics	2	2	3
Total		8	10	12
Second Semester (Spring)				
ELE 134	Practical Electricity II	2	2	3
ELE 132	National Electric Code 2	3	0	3
ELE 141	DC & AC Machines	3	3	4
ELE 233	Programmable Logic Controllers I	2	3	3
Total		10	8	13
Total Minimum Credits Required for Career Studies Certificate				25

The above semester-by-semester sequence of courses may be modified when necessary. Please refer to the Program Choices section of this Catalog for a discussion of factors which affect planning and sequencing programs of study. Courses may be substituted or adjustments may be made by the College to meet program objectives and requirements.