MISSION STATEMENT AND STUDENT LEARNING OUTCOMES for
Industrial Electricity

Review Year: 2024

Division:	Discipline/Program/Department:	Contact Person(s):
Technical Education	Industrial Electricity	Weatherly, Nicholas

Mission Statement

The Industrial Electricity department of Southwestern Illinois College will provide students in industrial electricity with the fundamental technical skills and knowledge required for gainful employment in an entry level position in the electrical career field. In addition, the department is committed to delivering a high-quality program by assessing student learning through several methods (objective exams, practical exams, and professional certifications) and reevaluating its instructional methods and strategies as necessary. Graduates gain the knowledge necessary to meet the ever-changing needs of the industries in our district.

Program/Discipline Curriculum Map

I = Introduce: Student is first exposed to the concept/idea and is requested to apply the concept in a limited scope.
E = Emphasize: Student applies concept(s) in varying/multiple situations of greater complexity than when initially introduced.
R = Reinforce: Student may be expected to understand the concept upon taking the course and utilizes the concept in conjunction with other concepts/ideas to solve problems.

Program/Discipline Outcomes	***Course Prefix and Number***														
Graduates of this program/discipline shall be able to:	EET 101	EET 131	EET 200	EET 235	EET 239	EET 240	EET 242	EET 243	EET 244	EET 246	EET 247	EET 269			
Develop the skills to plan, install, maintain, and troubleshoot residential electrical systems and technology.	I	R				R	R	E	E	E	R	E			
Complete a commercial electrical system and be able to maintain and troubleshoot the system.	I	R	R	I	I	R	R	E	E	E	R	E			
Identify an industrial electrical system and be able to demonstrate the need for all the components in the system.	I	R	R	E	E	R	R	E	E	R	E				
Practice proper electrical safety procedures.	I	R	R	R	R	R	R	E	R	R	R				
Utilize computers and software specific to the electrical/electronic field.	I	R	I	I	E	R	R	R	R	R	R				

Map Comments:

Core Competency Map

Core Competencies	***Course Prefix and Number***														
	EET 101	EET 131	EET 200	EET 235	EET 239	EET 240	EET 242	EET 243	EET 244	EET 246	EET 247	EET 269			
Communication Skills															
1. Computer Literacy			X	X											
2. Oral Communications				X	X							X			
3. Writing															
Reasoning Skills															
4. Critical Thinking				X	X			X							
5. Quantitative Literacy															
Citizenship															
6. Personal Accountability	X									X		X			
7. Civic And Social Accountability															