



Course Information

Course Title	National Electrical Code II
Course Prefix, Num. and Title	ELPT 2325 National Electrical Code II
Division	Vocational Science
Department	Air Conditioning, Heating, Refrigeration and Electrical Technology
Course Type	WECM Course
Course Catalog Description	In-depth coverage of the National Electrical Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring protection and methods, special conditions, and advanced calculations.
Pre-Requisites	ELPT 1325 or Program Director Approval
Co-Requisites	Enter Co-Requisites Here.

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	3:3:1
Lab/Other Hours	
Equated Pay Hours	3.5
Lab/Other Hours Breakdown: Lab Hours	1
Lab/Other Hours Breakdown: Clinical Hours	Enter Clinical Hours Here.
Lab/Other Hours Breakdown: Practicum Hours	Enter Practicum Hours Here.
Other Hours Breakdown	List Total Lab/Other Hours Here.

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- Hazardous locations
- Wiring methods
- Electrical installations
- Special locations
- Conductor sizes
- Overload protection
- NEC

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Hazardous location classifications and divisions
2. Wiring methods allowed in locations
3. Rules for electrical installations in special locations
4. Calculate conductor sizes and overload protection residential, commercial, industrial locations.
5. Select appropriate sections in the NEC for specific applications.

Methods of Assessment:

- (1) Quiz and examination questions
- (2) Quiz and examination questions
- (3) Quiz and examination questions
- (4) Quiz and examination questions
- (5) Quiz and examination questions

Required text(s), optional text(s) and/or materials to be supplied by the student:

National Electric Code ISBN 13:978-087765790-3

Suggested Course Maximum:

30

List any specific or physical requirements beyond a typical classroom required to teach the course.

Fully equipped HVAC and Electrical Lab

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

90% to 100%	= A
80% to 89%	= B
70% to 79%	= C
60% to 69%	= D
Below 60%	= F

The semester final grade is based on the percentage basis between daily lab work, daily classroom assignments, and semester final.

Daily lab work counts for 50% of final: Daily Classroom work is 20% of final: End of semester written final and lab final is 30% of final average.

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist