



STEEL CENTER
FOR CAREER AND TECHNICAL EDUCATION

SYLLABUS

Electrical Construction

46.0399

Mr. Eagleson • 2021-2022

beagleson@steelcentertech.com • 412.469.3200 x2510

Program description -Electrical Construction is an instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential equipment. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring. Students will be encouraged to develop plans so that they will be prepared to secure future employment or continue their education in the electrical field. Students may have the opportunity to receive industry certifications when applicable.

Textbooks:

2015, NCCER Core 5th edition, Pearson Education

2012, 2005 Delmar, Cengage Learning. House Wiring 3rd edition. Greg Fletcher

2010, National Fire Protection Association. National Electrical Code. NFPA

2003, Delmar Learning. Electrical Principals. Stephan L. Herman

2001, Delmar Learning. Electricity one 7th edition. Thomas Kubala

Note: Students will not be assigned “take-home” copies of the course textbook. Under no circumstances are students to remove (a) book (s) from the class without permission from the teacher. In other words, DO NOT EXIT THE CLASSROOM IF YOU ARE IN POSSESSION OF TEXTBOOKS.

Other Resources: Computer-based applications and content-relevant articles/materials

selected upon teacher discretion. **(Some type of LMS may be used when in person instruction is unavailable ie. Snow days)**

Daily-Required Materials/Items:

- All students are to show up on time, ready to learn.
 - All students are required to have a pen/pencil and colored pencils.
- Assessment and Evaluation:** All tests, quizzes and projects will be graded using Steel Center's grading scale:

93-100:	A
85-92:	B
77-84:	C
70-76:	D
<70:	E/F
Incomplete:	I

Measures of Achievement: SUBJECT TO CHANGE, COULD BE ONE GRADE!

- 1. Work Ethics (daily grade):** This grade accounts for 34% of the student's total grade. The scale is a 0-10 base on preparation, participation, behavior, and productivity or time on task.
- 2. Skills Grade (task grade):** This grade accounts for 33% of the student's total grade and is comprised of the evaluation and recording of lab activities the students are assigned each marking period. The scale is a 1-10 base.
- 3. Knowledge Grade (test and assignment grade):** This grade accounts for 33% of the student's total grade. The knowledge grade will include but not limited to homework, quizzes, time cards, weekly logs, midterm, and final exams.

Assignments/Timeline:

- Quizzes and tests are assigned throughout the year and throughout units to measure understanding.
- Formal papers will be written at various times throughout the school year.

Other grading factors:

- Be respectful, only one person talks at a time
- Stay alert and move safely in the classroom and the lab
- Dress like a professional construction worker
- Lock your valuables in your locker
- Electronic devices, ipads, phones or anything similar are not permitted to be in the classroom or shop and must be locked away in your locker
- Respect others personal space
- Students are expected to be self-motivated

Classroom/Shop Rules:

1. Eyes on teacher and task.
2. Be Prepared.
3. Be Polite.
4. No Horseplay.
5. Follow The School Rules.

Consequences:

- 1X Warning and point deduction of daily grade
- 2X Parental contact and point deduction
- 3X Office referral and point deduction

STEEL CENTER for CTE

Electrical Construction

Mr. Robert Eagleson



SYLLABUS AND PROGRAM RULES

ACKNOWLEDGEMENT SHEET

FOR STUDENT:

With my signature, I acknowledge that I am fully aware of the rules, procedures, and expectations for my CTE program of study. I understand that my signature indicates awareness and not necessarily approval.

Student name: _____

Student signature: _____

Date: _____

FOR PARENT/GUARDIAN:

With my signature, I acknowledge that I am fully aware of the rules, procedures, and expectations for my son's or daughter's CTE program of study. I understand that my signature indicates awareness and not necessarily approval.

Parent/Guardian signature: _____

Parent/Guardian signature: _____

Date: _____

Note: This document shall be filed and maintained by POS teachers. Unsigned or unreturned signature sheets are noted and filed accordingly.