

# CAT 1741: Residential Electrical Systems

## Credit Type – Proficiency



<b>Course Description and Learning Outcomes:</b>
<a href="https://www.sinclair.edu/course/params/subject/CAT/courseNo/1741/">https://www.sinclair.edu/course/params/subject/CAT/courseNo/1741/</a>
<b>Faculty Pathway Specialist(s)</b> (Please include name, email and office hours):
<b>Eric Dunn</b> , <a href="mailto:eric.dunn@sinclair.edu">eric.dunn@sinclair.edu</a> , please contact for current office hours.
<b>Resources Needed to Offer Course</b> (software, equipment, books [include ISBN and edition], etc. – please include any associated costs):
4th edition of Residential Construction Academy Carpentry, 9781305086180 (Cost at Sinclair eCampus Bookstore: \$128.70 new / \$93.60 used). Students could share books rather than purchasing full class set. Lab equipment: Hand and power tools for basic for basic electrical wiring for residential construction.
<b>Please Note:</b> The book for this course has moved to the fifth edition, ISBN: 9781337402415. Schools can use the 4 <sup>th</sup> edition for the foreseeable future, the 4 <sup>th</sup> version is just hard to find and expensive.
<b>What is the ideal format for course delivery – in person, online or blended? To what extent could this course be offered online if necessary?</b>
Course can be taught partially online but also requires face-to-face meetings (blended). Predict approximately 25% of required seat time could be delivered remotely (Total seat time is 80 hours: 20 hours remote, 60 hours face to face).
<b>How is the final grade for the course determined?</b> (Please list all required assignments, assessments, etc.)
Final grade for course is determined by quizzes, tests, homework, and lab projects. There are tests for every module, various quizzes, and lab work.
<b>Who is responsible for grading the required assignments and/or assessments?</b> (faculty or instructor?)
The high school instructor is responsible for scoring assignments and assessments and posting the grades in eLearn.
<b>What is the grading scale for the course?</b>
Standard Sinclair grading scale is used for this course: A-90-100, B-80-89, C-70-79, D-60-69, F below 60.
<b>Must students access the eLearn shell regularly to complete requirements?</b>
Students must submit assignments through eLearn, have access to a thumb drive.
<b>Does the course require access to YouTube, Google Drive, etc.?</b>
Access to YouTube videos to supplement lecture and chapter readings.
<b>Additional course details or requirements important for instructors not covered above:</b>
<b>Most common (or popular) degrees this course is in?</b>

