

Electricity II 8534 Syllabus

Campbell County Technical Center



2026-2027

Course Outline: The purpose of this course is to prepare students for the workplace, specifically in the area of Electrical work. Electricity II 8534 continues the skills established in Electricity I, namely developing construction and safety skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. In Electricity II students also study basic electrical theory, select and install conductors, receptacle outlets, switches, and light fixtures, and expands on electrical theory and mathematical problems related to electricity, navigate the 2023 National Electrical Code, and work with panel boards, switchboards, controls, motors, and generators. The trade portion of this class is derived from curriculum from National Center for Construction Education & Research (NCCER) as is credentialing. Course standards, competencies, and sequences are assessed and governed according to the VDOE. Additional information regarding these standards is available on the VDOE website (<https://www.doe.virginia.gov/teaching-learning-assessment/instruction/career-and-technical-education-cte>) and the CTE resource site (<https://www.cteresource.org/>).

The course shall have contextual instruction and student participation in co-curricular career and technical student organization (CTSO: SkillsUSA) activities to develop leadership, interpersonal, and career skills. We will encourage and facilitate high-quality work-based learning (HQWBL), internships and job opportunities for the students that will provide experiential learning opportunities related to students' career goals and/or interests, integration with instruction, and are performed in partnership with local businesses and organizations.

Materials Required: Laptop, pencils, pens, closed-toed shoes

Grading Scale: A (90-100), B (80-89), C (70-79), D (65-69), F (below 65)

Interim Report: All students will receive an interim report at the middle of each nine weeks.

Final Exam: Final Exams will be administered and will account for 10% of the overall grade.

Assignments: Assignments will include the following types of work: lab evaluations, vocabulary, chapter questions, lecture review quizzes, worksheets, computer assignments via Canvas- Pearson, individual task assignments, collaborative team assignments, and other similar projects. Missed/Make-up Late assignments will comply with the school policy and will be subject to deductions of 10% per day.

Class Expectations: Electricity students are expected to:

*Follow all school rules (including EO33 cellular device policy) *Be prepared for class with all materials
*Be courteous and cooperative *Be respectful *Be responsible *Participate in class activities *Follow all safety rules & regulations *Submit all work complete and on time *Maintain a clean work area

Consequences: Misbehavior and disrespect will not be tolerated in class. If a student is disruptive during times of instruction and individual learning, the following actions will be taken by the teacher: Verbal warning, Teacher/Student Conference and Parent/Guardian contact, Referral to Administration. (Depending on severity of misbehavior, levels of action may be skipped.)

COURSE MODULE LISTING:

26101 E1M2 Occupational Overview: Electrical Industry	26201 E2M1 Alternating Current
26102 E1M2 Safety For Electricians	26202 E2M2 Motors: Theory & Application
26103 E1M3 Introduction to Electrical Circuits	26203 E2M3 Electric Lighting
26104 E1M4 Electrical Theory	26204 E2M4 Conduit Bending
26105 E1M5 Introduction to the NEC	26205 E2M5 Pull and Junction Boxes
26106 E1M6 Outlet, Device, Pull, and J Boxes	26206 E2M6 Conductor Installations
26107 E1M7 Hand Bending	26207 E2M7 Cable Tray
26108 E1M8 Wireways, Raceways, and Fittings	26208 E2M8 Conductor Terminations & Splices
26109 E1M9 Conductors and Cables	26209 E2M9 Grounding & Bonding
26110 E1M10 Electrical Construction Docs	26210 E2M10 Circuit Breakers and Fuses
26111 E1M11 Residential Wiring	26211 E2M11 Control & Fundamental Concepts
26112 E1M12 Electrical Test Equipment	

Parents/Guardians: If you have any questions or concerns, please feel free to contact me at:

Michael Holmes

Master Electrician # 2710039357

Core Construction Instructor NCCER # 40265250

194 Dennis Riddle Dr, Rustburg, VA 24588

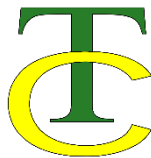
Electrical Instructor NCCER # 40265250

Class C Contractors License # 2705199384

michael.holmes@campbell.k12.va.us

Office: 434-821-6213 (ext. 665)

I am looking forward to a great year with your student and appreciate your continued support!



“I have read and understand this Electricity II 8534 course syllabus for the Campbell County Technical Center 2026-2027 year.”

STUDENT SIGNATURE: _____

DATE: _____

PARENT/GUARDIAN SIGNATURE: _____

DATE: _____

Please return this portion of the syllabus to the Campbell County Technical Center.

“I have read and understand this Electricity II 8534 course syllabus for the Campbell County Technical Center 2026-2027 year.”

STUDENT SIGNATURE: _____

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