

# ELECTRICAL CERTIFICATE

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1. The student will be able to lay out the electrical system in new residential and light commercial installations according to the National Electrical Code Guidelines 159.
2. The student will be able to identify the materials needed to complete a project.
3. The student will be able to successfully complete the rough-in stage of residential wiring using romex cable, light commercial wiring and using conduit in accordance with the National Electrical Code Guidelines.
4. The student will be able to successfully complete the trim-out of new residential and light commercial projects including installing outlets, switches, light fixtures, smoke detectors, service panels, and meters.

Code	Title	Hours
<b>Certificate Requirements</b>		
ECAL 101	Electrical Fundamentals I	3
ECAL 102	Electrical Fundamentals II	3
ECAL 103	Electrical Code Study	3
ECAL 104	Electrical Trades Math	2
ECAL 106	Electrical Practicum I	4
ECAL 132	Commercial & Agricultural Wiring	3
ECAL 133	Residential Wiring	2
ECAL 206	Electrical Practicum II	4
HPER 210	First Aid/CPR/AED	2
OSHA 100	Safety Course	1
SOC 099	Job Skills	2
<b>Total Hours</b>		<b>29</b>

Student's must follow SBC's admissions requirements and may be required to complete a College Writing Preparation and College Math Preparation course(s) before enrolling in certificate courses.