



Program Map
Electrical Construction

Certificate: Level 1 (C1)



DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description: This certificate is designed to provide the student with a pathway to becoming an Electrical Apprentice and eventually progressing towards becoming a Master Electrician.

Contact:
 Joey Case
 Department Chair
 jcase@austincc.edu
 512-223-0348

Department Website:
<http://sites.austincc.edu/bct/>

Use this Program Map to choose courses with your college advisor and track your progress towards milestones and completion of program.

Pre-Degree Requirements		
Program Specific	Reading and Writing Placement <i>Placements based on TSI</i>	Mathematics Placement <i>Placements based on TSI</i>
	<input type="checkbox"/> Basic Developmental Courses <input type="checkbox"/> ESOL Courses <input type="checkbox"/> INRW Courses	<input type="checkbox"/> MATD-0332 - Basic Math Skills <input type="checkbox"/> MATD-042x/032x – ALEKS Sequence <input type="checkbox"/> MATD-0385/0485 – Developing Mathematical Thinking <i>Not prerequisite for MATH-1314/1324</i> <input type="checkbox"/> MATD-0370 – Elementary Algebra <input type="checkbox"/> MATD-0390 – Intermediate Algebra <input type="checkbox"/> <i>Take MATD-0370 and 0390 to prepare for MATH-1314/1324</i>

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS
Plans can be modified to fit the needs of part-time students by adding more semesters

*D=Degree
 C1=Level 1 Certificate
 C2=Level 2 Certificate*

C1	Semester 1	CR	Advising Notes
•	OSHT 1305 - OSHA Regulations - Construction Industry	3	
•	ELPT 1329 - Residential Wiring	3	
•	EEIR 1309 - National Electrical Code	3	
•	CNBT 1300 - Residential and Light Commercial Blueprint Reading	3	
		12	Program Semester Hours / Meet with your advisor
Semester 2			
•	ELPT 2337- Electrical Planning and Estimating	3	
•	ELPT 1345 - Commercial Wiring	3	
•	CNBT 2342 - Construction Management I	3	
•	CNBT 2380 - Cooperative Education-Construction Engineering Technology/Technician	3	
		12	Program Semester Hours / Meet with your advisor

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Career & Transfer Resources Updated 8/18/17

Career Information

Common Job Titles

Helpers--Electricians, Electricians

Regional Labor Market Information

Helpers--Electricians: New workers generally start around \$17,407. Normal pay for Helpers--Electricians is \$30,556 per year, while highly experienced workers can earn as much as \$46,407 in this region. Over the last year, 8 companies have posted 57 jobs for Helpers--Electricians. There are currently 849 Helpers--Electricians that are employed in Austin-Round Rock, TX.

Source: <https://austincc.emsicc.com/careers/helper-electrician>

Electricians: New workers generally start around \$31,080. Normal pay for Electricians is \$45,814 per year, while highly experienced workers can earn as much as \$62,831. Over the last year, 97 companies have posted 827 jobs for Electricians in this region. There are currently 3,803 Electricians that are employed in Austin-Round Rock, TX.

Source: <https://austincc.emsicc.com/careers/electrician>

Career and labor market research tools (see Quick Reference Guide at <http://www.austincc.edu/career>):

EMSI: <https://austincc.emsicc.com/>, Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O*NET: <https://www.onetonline.org/>

Career Resources: ACC's career services website provides information on career exploration and employment at <http://www.austincc.edu/career>. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Level 1 Certificate in Electrical Construction prepares students to become an electrical apprentice.

Additional Transfer Resources: ACC's transfer website provides information on additional colleges & universities:

<http://www.austincc.edu/transferguides>. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.