



Program Map Utility Lineworker

Degree: Associate of Applied Science (AAS)
Certificate: Level 1 (C1), Occupational Skills Award (OSA)



DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description This is an **example course sequence** for students interested in Electronics and Advanced Technologies Utility Lineworker Specialization. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate of Applied Science (AAS) degree in Electronics and Advanced Technology or a Certificate in Electronics and Advanced Technology, Utility Lineworker Specialization.

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<http://sites.austincc.edu/electronics/>

Graduates of this program have the skills and knowledge to begin their careers as lineworkers for the electric utility industry. Topics covered include pole climbing, industrial safety, distribution operation and switching and metering. Lineworkers are responsible for installation and maintenance of equipment on the electric grid.

To receive an Associate of Applied Science in Electronics and Advanced Technologies, students must: (a) make a minimum grade of "C" in all required electronic, math, and science courses and (b) have an overall GPA of 2.0 or greater.

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>
	<ul style="list-style-type: none"> <input type="checkbox"/> Basic Developmental Courses <input type="checkbox"/> ESOL Courses <input type="checkbox"/> INRW Courses 	<ul style="list-style-type: none"> <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
OSA=Occupational Skills Award*

C1	OSA	D	Semester 1	C R	Advising Notes
		•	EDUC 1300 - Effective Learning: Strategies for College Success OR Oral Communication	3	New ACC Students with less than 12 SCH of successful college credit must take EDUC 1300 in their first semester. Other students can choose a speech course from the Component Area Option section of the Core Curriculum Course List.
•		•	MATH 1314 - College Algebra	3	Mathematics.
•	•	•	ELMT 1371 - Industrial Safet and National Electrical Safety Code	3	
•	•	•	LNWK 1311 - Climbing Skills	3	
				12	Program Semester Hours / Meet with your advisor
			Semester 2		
•		•	CETT 1403 - DC Circuits	4	
		•	ENGL 1301 - English Composition I	3	Communication Core Curriculum.

		• Social and Behavioral Sciences	3	Social and Behavioral Sciences Core Curriculum. Select from the appropriate section of the Core Curriculum Course List.
		• IEIR 1271 - Basic Industrial Electricity		
			10	Program Semester Hours / Meet with your advisor
			Semester 3	
		• CETT 1405 - AC Circuits	4	
		• COSC 1315 - Fundamentals of Programming OR • COSC 1336 - Programming Fundamentals I	3	Computer Science Core Curriculum.
		• LNWK 1241 - Distribution Operations	2	ACHIEVEMENT: Completion of Occupational Skills Award
		• CETT 1425 - Digital Fundamentals	4	
			13	Program Semester Hours / Meet with your advisor
			Semester 4	
		• CETT 1445 - Microprocessor	4	
		• CETT 1429 - Solid State Devices	4	
		• INTC 2471 - Data Acquisition and Measurement	4	
		• ELPT 2371 - Principles of Switching and Metering	3	
			15	Program Semester Hours
			Semester 5	
		• Language, Philosophy, and Culture OR Creative Arts	3	Language, Philosophy and Culture Curriculum. Select from the appropriate section of the Core Curriculum Course List.
		• Electronics Elective	3	Elective; Select Electronics Elective from the following courses: EECT 2388, ELMT 1371, ELMT 2372, ELPT 2371, WIND 2359.
		• ELMT 2473 - Electrical, Electronic, and Fluid Schematics	4	ACHIEVEMENT: Completion of Associate of Applied Science degree ACHIEVEMENT: Completion of Level 1 Certificate
			10	Program Semester Hours

Total Program Hours: 60

Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.

www.austincc.edu/career

www.austincc.edu/transfer

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

Program Map

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Career & Transfer Resources Updated 8/18/17

Career Information

Common Job Titles

Electrical Power-Line Installers and Repairers, A Class Lineman, Apprentice Lineman Third Step, Class A Lineman, Electric Lineman, Electrical Lineman (Power), Electrical Lineworker, Journeyman Lineman, Lineman, Lineworker, Power Lineman

Regional Labor Market Information

Electrical Power-Line Installers and Repairers: New workers generally start around \$30,007. Normal pay for Electrical Power-Line Installers and Repairers is \$51,431 per year, while highly experienced workers can earn as much as \$87,213. Over the last year, 14 companies have posted 121 jobs for Electrical Power-Line Installers and Repairers in this region. There are currently 447 Electrical Power-Line Installers and Repairers that are employed in Austin-Round Rock, TX.

Source: <https://austincc.emsicc.com/careers/electrical-power-line-installer-and-repairer>

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 Utility Lineworker Associate of Applied Science is aimed at students intending to enter the workforce. A Bachelor of Applied Arts and Sciences (BAAS) is a transfer degree option for students in AAS programs who want to complete a 4-year degree.

Transfer Guides: *The universities listed here do not constitute an ACC endorsement. Transfer course evaluations and determination of what courses will count toward a bachelor's degree are made by the receiving transfer institution.*

Texas State University: <http://www.owls.txstate.edu/undergraduate-degrees/applied-arts-sciences.html>

Concordia University Texas: <http://www.concordia.edu/academics/college-of-business-and-communication/baas-in-business.html>

Texas A&M University Central Texas: <https://www.tamuct.edu/degrees/undergraduate/business-management.html>

Texas Tech University: https://www.depts.ttu.edu/universitystudies/prospective_students/baas.php

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.