

Utility Line

The utility line program teaches students skills in the installation, operations, and maintenance of electrical utilities. Instruction includes practical application of mathematics, sciences, circuit diagrams, and blueprints together with pole-line and erection and construction. Successful completion of the program prepares students for highly marketable careers installing, replacing, and repairing electrical power poles, lines, and equipment. In order for students to progress to the next term, they must successfully complete all required classes for the previous term. (See admission requirements.) Before admission into the program, students will need to attain the following minimum entrance scores: COMPASS: Math Pre-Algebra Test 30, Reading 60, Writing 34; ASSET: Math Numerical Skills Test 37, Reading 35, Writing 38; ACT: Math 16, Reading 14, English 14. Enrollment into this program is limited and is based on the date of application. Individuals with a criminal record may not be eligible for employment in some settings.

Required Program of Study for Associate of Applied Science Degree (2 years)

Freshman Year – Section 1 (Groups A and B)

FIRST SEMESTER	
Course	Credits
UTIL 1010 Concepts of Electricity I.....	4
UTIL 1020 Concepts of Electricity I Lab.....	1
UTIL 1030 Line Construction I.....	4
UTIL 1040 Line Construction I Lab.....	3
UTIL 1100 Commercial Drivers License.....	1
UTIL 1110 Commercial Drivers License Lab.....	1
UTIL 1280 Computer Literacy.....	2
MATH 1020 Applied Mathematics I.....	3
	19

SECOND SEMESTER	
Course	Credits
UTIL 1140 Line Construction II.....	4
UTIL 1150 Line Construction II Lab.....	3
UTIL 1240 Concepts of Electricity II.....	4
UTIL 1250 Concepts of Electricity II Lab.....	1
UTIL 1260 Ropes and Riggings.....	1
HLTH 1710 First Aid.....	2
MATH 1060 Applied Mathematics II.....	3
	18

Freshman Year – Section 2 (Groups A and B)

FIRST SEMESTER	
Course	Credits
UTIL 1010 Concepts of Electricity I.....	4
UTIL 1020 Concepts of Electricity I Lab.....	1
UTIL 1030 Line Construction I.....	4
UTIL 1040 Line Construction I Lab.....	3
UTIL 1280 Computer Literacy.....	2
HLTH 1710 First Aid.....	2
MATH 1020 Applied Mathematics I.....	3
	19

SECOND SEMESTER	
Course	Credits
UTIL 1100 Commercial Drivers License.....	1
UTIL 1110 Commercial Drivers License Lab.....	5
UTIL 1140 Line Construction II.....	4
UTIL 1150 Line Construction II Lab.....	3
UTIL 1240 Concepts of Electricity II.....	4
UTIL 1250 Concepts of Electricity II Lab.....	1
UTIL 1260 Ropes and Riggings.....	1
MATH 1060 Applied Mathematics II.....	3
	17.5

REQUIRED SUMMER: 12 weeks

UTIL 1300 Cooperative Internship I.....	1-8
Prerequisite: Utility Line students must successfully pass their summer internship prior to beginning their sophomore year. No students will be allowed to take second year classes or labs without successful completion of their summer internship. Students who do not successfully pass their summer internship may have the opportunity to complete an internship the following summer.	

Sophomore Year – Section 1

FIRST SEMESTER	
Course	Credits
UTIL 2200 Electrical Apparatus Theory.....	6
UTIL 2210 Electrical Apparatus Lab.....	6
UTIL 2240 Utility Occupational Procedures.....	1
ENGL 1050 Career Composition.....	3
	16

SECOND SEMESTER	
Course	Credits
UTIL 2400 Operations of the Electric Utility.....	2
UTIL 2420 Construction and Maintenance for the Electric Utility.....	5
UTIL 2430 Construction and Maintenance for the Electric Utility Lab.....	6
ECON 1040 Personal Finance.....	2
PSYC 1000 Human Relations.....	2
	17

Sophomore Year – Section 2

FIRST SEMESTER	
Course	Credits
UTIL 2400 Operations of the Electric Utility.....	2
UTIL 2420 Line Construction III.....	5
UTIL 2430 Line Construction III Lab.....	6
ENGL 1050 Career Composition.....	3
	16

SECOND SEMESTER	
Course	Credits
UTIL 2200 Electrical Apparatus Theory.....	6
UTIL 2210 Electrical Apparatus Lab.....	6
UTIL 2240 Utility Occupational Procedures.....	1
ECON 1040 Personal Finance.....	2
PSYC 1000 Human Relations.....	2
	17

Total Credit Hours 81.5