

UTILITY LINE

The utility line program teaches students skills in the installation, operation, and maintenance of electrical utilities. Instruction includes practical application of power line construction and maintenance, mathematics, sciences, electrical theory, and electrical apparatus. Successful completion of the program prepares students for highly marketable careers in installation, replacement, and maintenance of electrical power lines and equipment. In order for students to progress to the next term, they must successfully complete all required classes for the previous term. Students in the Utility Line program are required to have a "C" grade or better in second year UTIL coursework to graduate. (See admission guidelines in the Admissions and Records section of this catalog. Individuals with a criminal record may not be eligible for employment in some settings.) (Enrollment into this program is limited and is based on the date of application.)

Before admission to this program, students will need to attain the following minimum placement test scores or equivalent. MAP: Math 216+, Reading 216+, Language 216+; ACT: Math 17+, Reading 14+, English 14+.

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

FRESHMAN YEAR – GROUP A

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 Driver’s License	1
UTIL 1110 Commercial Driver’s License Lab	1
UTIL 1280 Computer Literacy*	2
MATH 1020 Technical Mathematics I*	3
	<u>19</u>

Second Semester	
Course	Credits
UTIL 1120 Power Transformer Theory	2
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 Technical Mathematics II*	3
	<u>18</u>

FRESHMAN YEAR – GROUP 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 1260 Ropes and Riggings	1
UTIL 1280 Computer Literacy*	2
MATH 1020 Technical Mathematics I*	3
	<u>18</u>

Second Semester	
Course	Credits
UTIL 1100 Commercial Driver’s License	1
UTIL 1110 Commercial Driver’s License Lab	1
UTIL 1120 Power Transformer Theory	2
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
MATH 1060 Technical Mathematics II*	3
	<u>19</u>

Required Summer (12 weeks)

UTIL 1300 Cooperative Internship I	6
	<u>6</u>

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 Workplace Communication*	3
HLTH 1710 First Aid	2
	<u>18</u>

Second Semester	
Course	Credits
UTIL 2400 National Electric Safety Code	2
UTIL 2420 Line Construction III	5
UTIL 2430 Line Construction III Lab	6
ECON 1010 Personal and Business Finance*	2
PSYC 1000 Human Relations*	2
	<u>17</u>

SOPHOMORE YEAR – SECTION 2

First Semester	
Course	Credits
UTIL 2400 National Electric Safety Code	2
UTIL 2420 Line Construction III	5
UTIL 2430 Line Construction III Lab	6
ENGL 1050 Workplace Communication*	3
HLTH 1710 First Aid	2
	<u>18</u>

Second Semester	
Course	Credits
UTIL 2200 Electrical Apparatus Theory	6
UTIL 2210 Electrical Apparatus Lab	6
UTIL 2240 Utility Occupational Procedures	1
ECON 1010 Personal and Business Finance*	2
PSYC 1000 Human Relations*	2
	<u>17</u>

Total Credit Hours	<u>78</u>
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*See general education requirements.