

Industrial & Engineering Technology

Lineman

Offered at MCC-Business & Technology

Learn skills for the construction and de-construction of lines and equipment following industry standards. Understand the principles of electrical theory and how they pertain to a lineman in the field. Build and simulation energizing single phase and three phase transformers off the pole. Learn the strategies for safety following recommended PPE and Minimum Approach Distance.

A.A.S. Lineman.....61-63 Credits
 Lineman Certificate49 Credits

A.A.S. Lineman

201821 Revised 12/2016 (Fall 2017)

General Education Requirements		Credits	Semester Taken	Prerequisites
COLL 100	First Year Seminar	1		
ENGL 101	Composition and Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
HIST 120 HIST 121 POLS 135 POLS 136 POLS 137	United States History to 1865 or United States History Since 1865 or Introduction to Political Science or Introduction to U.S. National Politics or Introduction to State and Local Politics	3		
SPAN 100	Beginning Occupational Spanish or higher	3-5		
COMM 100	Fundamentals of Speech	3		ENGL 90 with a minimum grade of S or appropriate placement score
MATH 103 MATH 120	Technical Mathematics I or College Algebra	3		MATH 31 with a grade of S or appropriate placement (MATH 103) MATH 95 with a grade of C or appropriate placement (MATH 120)
General Education Electives: Any course(s) numbered 100 or above from the following disciplines: ANTH, ART, ECON, ENGL, Foreign Language, GEOG (except 104, 110 and GIS Courses), PHIL, PSYC, SOCI, SOSC		3-5		
Minimum Total General Education Credit Hours		18		
Specific Program Requirements				
CSIS 115	Computer Concepts and Applications	3		
INTE 112	Industrial Electrical DC Principles	2		
INTE 113	Industrial Electrical AC Principles	2		INTE 112 or equivalent
INTE 124	Employment Strategies for Technical Careers	2		
LINE 104	Pole Climbing Skills	5		
LINE 105	Electrical Distribution Systems	3		INTE 113 with a C or higher
LINE 210	Pole Framing and Construction Specifications	3		LINE 104 and 105 or concurrent enrollment
LINE 215	Setting and Replacing Poles	3		LINE 104 and 105 or concurrent enrollment
LINE 237	Transformer Theory and Installation	3		LINE 104 and 105 or concurrent enrollment
LINE 241	Conductor Installation and Metering	3		LINE 104 and 105 or concurrent enrollment
LINE 250	Fusing, Substations, & Voltage Regulation	3		LINE 210 and 237 or concurrent enrollment
LINE 251	Installation and Troubleshooting Underground Distribution Systems	3		LINE 215 and 241 or concurrent enrollment
LINE 252	Advanced Pole Climbing	3		LINE 104 and 215 or concurrent enrollment
LINE 253	Safety and Accident Prevention	4		LINE 215 and 237 or concurrent enrollment
Total Credit Hours Required		61-63		