

# UTILITY TECHNICIAN

## CERTIFICATE (C)

DESCRIPTION: This two-semester program has been developed to meet the utility industry's need for trained, entry-level employees. Students complete practical theory and hands-on training using actual equipment and materials in classroom, laboratory, and field settings.

### BASIC CERTIFICATE REQUIREMENTS CREDITS: 38.5

APP 100E	ELECTRICAL STUDIES FOR TRADES (3/4) <sup>A</sup>
APP 106M	INDUSTRIAL SAFETY (1/1) <sup>A</sup>
MTH 110 or MTH 115	TECHNICAL MATH I (3/4) or APPLIED ALGEBRA & TRIGONOMETRY I (5/6)
PEH 263	WORKPLACE FIRST AID/CPR/AED (1/1)
SDE 201	JOB SEARCH STRATEGIES (1/1)
UTT 101	INTRODUCTION TO THE UTILITY INDUSTRY (.5/.5) <sup>A</sup>
UTT 102	CLIMBING ELEVATED WORK SITES (1/1) <sup>A</sup>
UTT 103	OVERHEAD CONSTRUCTION (1/1) <sup>A</sup>
UTT 110	LINE MECHANICS LAB I (6/10.5)
UTT 111	LINE WORKER PHYSICAL FITNESS I (2/3)
UTT 202	TRANSFORMER FUNDAMENTALS (2/3) <sup>A</sup>
UTT 203	UNDERGROUND CONSTRUCTION (2/2) <sup>A</sup>
UTT 204	SYSTEM DESIGN & OPERATIONS (4/4) <sup>A</sup>
UTT 206	EQUIPMENT/VEHICLE OPERATIONS (2/3) <sup>A</sup>
UTT 208	CLIMBING & WORKING IN ELEVATED WORK SITES (2/2) <sup>A</sup>
UTT 210	UTILITY/LINE MECHANIC LAB (5/9) <sup>A</sup>
UTT 211	LINE WORKER PHYSICAL FITNESS II (2/3)

### ADVANCED CERTIFICATE REQUIREMENTS CREDITS: 15.5

UTT 221	LINE WORKER ORIENTATION (1.5/2) <sup>A</sup>
UTT 222	ELECTRIC BASIC LINE CLIMBING (4/6) <sup>A</sup>
UTT 223	GROUND/UTILITY WORKER (5/8) <sup>A</sup>
UTT 224	ENERGIZED SECONDARY WORKER (5/8) <sup>A</sup>

**MINIMUM 38.5 CREDIT HOURS/53 CONTACT HOURS (BASIC)**

**MINIMUM 15.5 CREDIT HOURS/24 CONTACT HOURS (ADVANCED)**

#### NOTES:

<sup>A</sup> Included in occupational specialty.

*GPA of 2.0 or higher must be maintained in occupational specialty courses*

Students must be able to climb 40 foot power poles to successfully complete the first semester. Each student is expected to have: hard hat, lineman belt, safety strap and climbers, rain wear, safety glasses, various hand tools required by the trade, and work shoes for an approximate cost of \$1,800.

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## CERTIFICATE (C)

### SUGGESTED SEQUENCE OF COURSES

#### YEAR 1 (FALL SEMESTER)

CREDITS: 19

APP 106M	INDUSTRIAL SAFETY (1/1)
APP 100E	ELECTRICAL STUDIES FOR TRADES (3/4)
MTH 110 or MTH 115	TECHNICAL MATH I (3/4) or APPLIED ALGEBRA & TRIGONOMETRY I (5/6)
UTT 101	INTRODUCTION TO THE UTILITY INDUSTRY (.5/.5)
UTT 102	CLIMBING ELEVATED WORK SITES (1/1)
UTT 103	OVERHEAD CONSTRUCTION (1/1)
UTT 110	LINE MECHANICS LAB I (6/10.5)
UTT 111	LINE WORKER PHYSICAL FITNESS I (2/3)
UTT 203	UNDERGROUND CONSTRUCTION (2/2)

#### YEAR 1 (SPRING SEMESTER)

CREDITS: 19

UTT 202	TRANSFORMER FUNDAMENTALS (2/3)
UTT 204	SYSTEM DESIGN & OPERATIONS (4/4)
UTT 206	EQUIPMENT/VEHICLE OPERATIONS (2/3)
UTT 208	CLIMBING & WORKING IN ELEVATED WORK SITES (2/2)
UTT 210	UTILITY/LINE MECHANIC LAB (5/9)
UTT 211	LINE WORKER PHYSICAL FITNESS II (2/3)
PEH 263	WORKPLACE FIRST AID/CPR/AED (1/1)
SDE 201	JOB SEARCH STRATEGIES (1/1)

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