UTILITY TECHNICIAN
ADVANCED 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.

GENERAL EDUCATION REQUIREMENTS  CREDITS: 5
MTH 110  TECHNICAL MATH I (3/4)
PEH 263  WORKPLACE FIRST AID/CPR/AED (1/1)
SDE 201  JOB SEARCH STRATEGIES (1/1)

CORE PROGRAM COURSES  CREDITS: 48
APP 100E  ELECTRICAL STUDIES FOR TRADES (3/4) A
APP 106M  INDUSTRIAL SAFETY (1/1) A
UTT 101  INTRODUCTION TO THE UTILITY INDUSTRY (1/1) A
UTT 102  CLIMBING ELEVATED WORK SITES (1/1) A
UTT 103  OVERHEAD CONSTRUCTION (1/1) A
UTT 110  LINE MECHANICS LAB I (6/10.5) A
UTT 111  LINE WORKER PHYSICAL FITNESS I (2/3)
UTT 202  TRANSFORMER FUNDAMENTALS (2/3) A
UTT 203  UNDERGROUND CONSTRUCTION (2/2) A
UTT 204  SYSTEM DESIGN & OPERATIONS (4/4) A
UTT 206  EQUIPMENT/VEHICLE OPERATIONS (2/3) A
UTT 208  CLIMBING & WORKING IN ELEVATED WORK SITES (2/2) A
UTT 210  UTILITY/LINE MECHANIC LAB (5/9) A
UTT 211  LINE WORKER PHYSICAL FITNESS II (2/3)
UTT 222  ELECTRIC BASIC LINE CLIMBING (4/6) B
UTT 223  GROUND/UTILITY WORKER (5/8) B
UTT 224  ENERGIZED SECONDARY WORKER (5/8) B

MINIMUM 53.0 CREDIT HOURS/75.5 CONTACT HOURS

NOTES:
A Included in occupational specialty.
GPA of 2.0 or higher must be maintained in occupational specialty courses
B Course must be taken as part of Advanced Certificate based on availability

Must complete UTT Certificate program, three (3) day Line Worker Orientation course & secure permission of the Utility Technology Program Director.

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.

UTILITY TECHNICIAN
ADVANCED CERTIFICATE (C)
SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER)  CREDITS: 21
APP 106M  INDUSTRIAL SAFETY (1/1)
APP 100E  ELECTRICAL STUDIES FOR TRADES (3/4)
MTH 110  TECHNICAL MATH I (3/4)
SDE 201  JOB SEARCH STRATEGIES (1/1)
UTT 101  INTRODUCTION TO THE UTILITY INDUSTRY (1/1)
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: 18
PEH 263  WORKPLACE FIRST AID/CPR/AED (1/1)
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)

YEAR 2 (FALL SEMESTER)  CREDITS: 14
UTT 222  ELECTRIC BASIC LINE CLIMBING (4/6)
UTT 223  GROUND/UTILITY WORKER (5/8)
UTT 224  ENERGIZED SECONDARY WORKER (5/8)