



## UTILITY LINeworker SPECIALIZATION

### *Electronics and Advanced Technologies*

| Utility Lineworker Associate of Applied Science Degree |      |      |                                                 |           |
|--------------------------------------------------------|------|------|-------------------------------------------------|-----------|
| <b>Semester I</b>                                      |      |      |                                                 |           |
| +                                                      | MATH | 1314 | College Algebra                                 | 3         |
| +                                                      | CETT | 1403 | DC Circuits                                     | 4         |
| +                                                      | ELMT | 1371 | Industrial Safety                               | 3         |
|                                                        |      |      | Oral Communication Elective <sup>1</sup>        | 3         |
|                                                        |      |      |                                                 | ----      |
|                                                        |      |      |                                                 | <b>13</b> |
| <b>Semester II</b>                                     |      |      |                                                 |           |
| +                                                      | CETT | 1405 | AC Circuits                                     | 4         |
|                                                        | ELPT | 1271 | National Electrical Safety Code                 | 2         |
|                                                        | ENGL | 1301 | English Composition I                           | 3         |
|                                                        |      |      | Social/Behavioral Science Elective <sup>1</sup> | 3         |
|                                                        |      |      |                                                 | ----      |
|                                                        |      |      |                                                 | <b>12</b> |
| <b>Semester III</b>                                    |      |      |                                                 |           |
|                                                        | LNWK | 1241 | Distribution Operations                         | 2         |
|                                                        | LNWK | 1211 | Climbing Skills                                 | 2         |
| +                                                      | CETT | 1429 | Solid State Devices                             | 4         |
| +                                                      | CETT | 1425 | Digital Fundamentals                            | 4         |
|                                                        |      |      |                                                 | ----      |
|                                                        |      |      |                                                 | <b>12</b> |
| <b>Semester IV</b>                                     |      |      |                                                 |           |
| +                                                      | LNWK | 2272 | Climbing Skills II                              | 2         |
|                                                        | ELMT | 2472 | Elements of Electrical Power Systems            | 4         |
| +                                                      | ELMT | 2441 | Electromechanical Systems                       | 4         |
| +                                                      | INTC | 2471 | Data Acquisition and Measurement                | 4         |
|                                                        |      |      |                                                 | ----      |
|                                                        |      |      |                                                 | <b>14</b> |
| <b>Semester V</b>                                      |      |      |                                                 |           |
|                                                        | ELPT | 2371 | Principles of Switching and Metering            | 3         |
|                                                        | LNWK | 2271 | Principles of Power Transmission                | 2         |
|                                                        | ELMT | 2473 | Electrical, Electronic, and Fluid Schematics    | 4         |
|                                                        | ELPT | 2171 | Smart Grid Technology                           | 1         |
|                                                        |      |      | Humanities/Fine Arts Elective <sup>1</sup>      | 3         |
|                                                        |      |      |                                                 | ----      |
|                                                        |      |      |                                                 | <b>13</b> |
| <b>TOTAL CREDIT HRS.</b>                               |      |      |                                                 | <b>64</b> |

| Utility Lineworker Certificate |      |      |                                              |           |
|--------------------------------|------|------|----------------------------------------------|-----------|
| <b>Semester I</b>              |      |      |                                              |           |
| +                              | MATH | 1314 | College Algebra                              | 3         |
| +                              | CETT | 1403 | DC Circuits                                  | 4         |
|                                | ELPT | 1271 | National Electrical Safety Code              | 2         |
|                                | ELMT | 1371 | Industrial Safety                            | 3         |
|                                |      |      |                                              | ----      |
|                                |      |      |                                              | <b>12</b> |
| <b>Semester II</b>             |      |      |                                              |           |
| +                              | CETT | 1405 | AC Circuits                                  | 4         |
|                                | ELMT | 2472 | Elements of Electrical Power Systems         | 4         |
|                                | LNWK | 1241 | Distribution Operations                      | 2         |
|                                | LNWK | 1211 | Climbing Skills                              | 2         |
|                                |      |      |                                              | ----      |
|                                |      |      |                                              | <b>12</b> |
| <b>Semester III</b>            |      |      |                                              |           |
| +                              | ELMT | 2441 | Electromechanical Systems                    | 4         |
| +#                             | ELMT | 2473 | Electrical, Electronic, and Fluid Schematics | 4         |
| +                              | LNWK | 2272 | Climbing Skills II                           | 2         |
|                                | ELPT | 2371 | Principles of Switching and Metering         | 3         |
| +                              | LNWK | 2271 | Principles of Power Transmission             | 2         |
|                                |      |      |                                              | ----      |
|                                |      |      |                                              | <b>16</b> |
| <b>TOTAL CREDIT HRS.</b>       |      |      |                                              | <b>40</b> |

For acceptance into this program, applicants must first contact Vidal Almanza at 512.223.6404 or Ed Ardizoni at 512.223.7525

Commercial Driver License (Class A) will be required to get a job as a utility lineman. Continuing Education offers this course. Contact Rich Hidalgo at 888-569-8530 or 512-223-7340

Curriculum (Courses, Sequence, Dates are Subject to Change)

+ Prerequisite: See Course Descriptions

# Capstone Course

<sup>1</sup>Select from the appropriate section of the General Education Course List