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| **Institution:** | Texas State Technical College Marshall | **Award Title:** | Associate of Applied Science |
| **Program:** | Electrical Lineworker Technology | **Award CIP Code:** | 46.0303 |

|  | **Key Activities to WECM Courses Matrix** |  |  |
| --- | --- | --- | --- |
| **Key Activity #/Statement** |  | **WECM Course Rubric, Number and Title** |  |  |
| NEW | NEW |  |  |  | NEW | NEW |  | NEW | NEW | NEW | NEW | NEW | NEW |
| DC CircuitsCETT 1303 | Live Line SafetyLNWK 1211 | Orientation and Line Skills FundamentalsLNWK 1301 | Climbing SkillsLNWK 1211 | Distribution Line ConstructionLNWK 2322 | Commercial Drivers License Skills CVOP 1301 | Troubleshooting Distribution SystemsLNWK 2324 | Transformer ConnectionsLNWK 1331 | Distribution OperationsLNWK 1241 | Cooperative EducationELPT 1680 | OSHA Regulations OSHT 1305 | AC circuitsCETT 1305 | Electrical TheoryELPT 2335 | Electrical Testing andMaintenanceELPT 2347 |
| A-1 Comply with safety procedures (e.g., OSHA, WISHA/OREGON OSHA) |   | X |   |   |   |   |   |   | x |  | x |   |  |  |
| A-2 Identify/Isolate job-specific safety hazard(s) |   | X |   |   |   |   |   | X |   |   | x |   | x |  |
| A-3 Participate in mandated safety meetings |   | X |   | X | X |   | X | X | x |  | x |   |  | x |
| A-4 Report safety hazards per organization procedures | X |   |   |   | X |   |   |   |   |   |  | x |  |  |
| B-1 Maintain OSHA Certification |   |   |   |   |   |   |   |   |   |   | x |   |  |  |
| B-2 Participate in first aid/CPR training |   | X |   |   |   |   |   |   |   |   |  |   |  |  |
| B-3 Maintain Commercial Drivers License (CDL) |   |   |   |   |   | X |   |   |   | X |  |   |  |  |
| B-4 Participate in climber certification training |   |   |   | X |   |   |   |   | x |   |  |   |  |  |
| B-5 Participate in transformer connection training |   |   |   |   |   |   |   | X | x |   |  | x |  |  |
| B-7 Participate in equipment-specific training (e.g., bucket, backhoe, boom) |   |   |   |   | X |   |   |   |   | X |  |   |  |  |
| B-9 Participate in hot stick training |   | X |   |   |   |   |   |   | x | x |  |   |  |  |
| B-10 Participate in annual pole-top rescue training |   | X |   |   |   |   |   |   |   |   |  |   |  |  |
| B-12 Participate in organization policy/procedure information training |   |   | X |   |   |   |   |   |   | X |  |   |  |  |
| B-13 Participate in special equipment training |   |   |   |   |   |   |   | X |   |   |  |   |  |  |
| C-2 Discuss job-site work progress (e.g. staking sheets) |   |   |   |   |   |   | X |   | x | X |  |   |  | x |
| C-3 Determine job-site crew duties |   |   |   |   | X |   |   |   |   | X |  |   |  |  |
| C-4 Identify job-site safety hazards |   | X |   |   |   |   |   |   | x |  | x |   |  |  |
| C-5 Organize job-site equipment/materials |   |   |   |   |   |   |   | X |   | X |  |   |  | x |
| C-8 Provide job-site protection for general public |   | X |   |   |   |   |   |   |   | X | x |   |  |  |
| D-1 Obtain problem-specific documents (e.g. outage reports, customer complaints) (Outage/Power Quality) |   |   |   |   |   |   |   |   |   | X |  |   |  |  |
| D-4 Conduct problem assessment  |   |   |   |   |   |   | X |   | x |  |  |   |  |  |
| D-5 Perform outage safety procedures  |   | X |   |   |   |   | X |   |   | X |  |   |  |  |
| D-6 Perform power quality outage safety procedures  |   |   |   |   |   |   |   |   | x | X |  |   |  |  |
| D-7 Perform problem-specific repair(s)  |   |   |   |   |   |   |   |   | x | X |  |   |  | x |
| D-10 Confirm power restoration  |   |   |   |   |   |   |   |   | x | X |  |   |  |  |
| E-3 Install pole |   |   |   |   | X |   |   |   |   | X |  |   |  |  |
| E-5 Climb utility poles & towers |   |   |   | X |   |   |   |   |   | X |  |   | x | x |
| E-7 Install & wire transformers |   |   |   |   |   |   |   | X |   |  |  |   |  | x |
| E-9 Install specialized equipment (e.g., recloser, regulators, co-pastors) |   |   |   |   |   |   |   | X |   | X |  |   |  |  |
| E-10 Perform work with energized lines |   |   |   |   |   |   |   | X |   | X |  |   |  |  |
| E-12 Perform substation operations |   |   |   |   |   |   |   |   |   | X |  |   |  |  |
| E-13 Perform switching order process |   |   |   |   |   |   |   |   |   | X |  |   |  |  |
| F-2 Identify installation equipment |   |   | X | X | X |   |   | X |   | X |  |   |  |  |
| F-4 Identify underground safety hazards |   | X |   | X | X |   |   |   | x |  |  |   |  |  |
| F-8 Pull cables through conduit |   |   |   |   |   |   |   |   | x |  |  |   |  |  |
| F-9 Install pad-mount equipment (e.g., junction boxes, switches) |   |   |   |   |   |   |   |   | x |  |  |   |  |  |
| F-10 Install cable termination |   |   |   |   |   |   |   |   | x |  |  |   |  |  |
| F-11 Splice cable(s) |   |   |   | X | X |   |   |   |   |   |  |   |  |  |
| F-12 Identify sight-specific cable |   |   |   |   | X |   |   |   |   | X |  |   |  |  |
| G-1 Inspect/Adjust airbrake switch |   |   |   |   |   |   |   |   | x | X |  |   |  |  |
| G-2 Conduct substation inspection |   |   |   |   |   |   |   |   |   | X |  |   |  |  |
| H-2 Complete/Modify work order (e.g., as-built, material) |   |   |   |   | X |   |   |   | x | X |  |   |  |  |
| H-3 Prepare material issue sheets (e.g., in/out, salvage) |   |   |   |   |   |   |   |   | x | X |  |   |  | x |
| H-8 Complete meter tickets (remove/installation) |   |   |   |   |   |   |   |   | x | X |  |   |  |  |
| H-9 Complete transformer tickets (remove/installation) |   |   |   |   |   |   |   |   | x | X |  |   |  |  |
| H-10 Complete special equipment tickets (e.g., recloser, regulators, co-pastors) |   |   |   |   |   |   |   |   | x | X |  |  |  | x |
| H-11 Complete service orders (e.g., collects, disconnects) |   |   |   |   |   |   |   |   | x | X |  |   |  |  |