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| **Program/Discipline Learning Outcomes** |
| **Academic Year: 2018** |
| **Program/Discipline: (indicate program/discipline here) A.AS. Electrician** |
| **PROGRAM/DISCIPLINE CONTACT** |
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| **Learning Outcome:****(Successful students will be able to)** | **Course(s) in which the assessment will be performed** | **Semesters the outcome will be assessed** | **Assessment tools used for learning outcome** |
| 1 | Demonstrate proper wiring techniques as dictated by the National Electrical Code | ELT 150, ELT 151, ELT 152 | W2018 | Examinations and Projects |
| 2 | Describe, analyze, and troubleshoot electrical circuits | ELT 120, ELT 126, ELT 215 | F2017, W2018 | Examinations and Labs |
| 3 | Describe electrical components and their effects on circuit behavior | ELT 126, ELT 130, ELT 140 | F2017, W2018 | Examinations and Labs |
| 4 | Design programmable circuits to achieve a desired outcome | ELT 140, ELT 260 | F2017, W2018 | Projects |
| 5 | Analyze the National Electrical Code to understand proper procedure for safe wiring | ELT 274 | W2018 | Examinations |
| 6 | Describe the functioning of motors, controls, and industrial systems | ELT 220, ELT 250, ELT 260 | W2018 | Examinations and Labs |