|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program/Discipline Learning Outcomes** | | | | |
| **Academic Year: 2018** | | | | |
| **Program/Discipline: (indicate program/discipline here) A.AS. Electrician** | | | | |
| **PROGRAM/DISCIPLINE CONTACT** | | | | |
| **FACULTY: Edward Burkhead** | | | **OFFICE: JW 117** | |
| **EMAIL: BurkheaEdwardL@jccmi.edu** | | | **PHONE:** | |
| **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 |