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| **Program/Discipline Learning Outcomes** | | | | |
| **Academic Year: 2018** | | | | |
| **Program/Discipline: (indicate program/discipline here) A.AS. Energy Systems** | | | | |
| **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 the ability to work safely in the workplace | ELT 105, MFG 164, EGY 101 | F2017, W2018 | OSHA 10 card, EGY exam |
| 2 | Demonstrate the ability to read, produce, and communicate using technical drawings | MFG 105, CAD 151, MFG 164, ELT 105 | F2017, W2018 | Projects and Examinations |
| 3 | Demonstrate the ability to use tools and equipment | ELT 105, MFG 164, ELT 220 | F2017, W2018 | Projects and Examinations |
| 4 | Identify the processes, practices, technologies and policies that are used in the energy industry | ALT 200, EGY 101, | F2017 | EIF certification, Examinations |
| 5 | Demonstrate an understanding of the environmental impact of Energy Systems, as well as techniques for proper and sustainable resource management**.** | ALT 200, STM 101, | F2017 | Projects and Examinations |