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| **Program/Discipline Learning Outcomes** |
| **Academic Year: 2018-2019** |
| **Program/Discipline: (indicate program/discipline here)****Associate Degree in Advanced Manufacture (MFG)** |
| **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 | Students will function safety and effectively across a wide variety of technical skills in electricity, electronics, controls, machining, design and welding/fabrication.  | ELT 105, MFG 200, MFG 164, WLD 100 |  Fall, Winter, Spring | Knowledge and practical assessments are given as summative and formative in each course. All courses have a final assessment. |
| 2 | *Students will demonstrate the knowledge and practice of appropriate communication skills in writing and reading.* |  ENG 131, COM 231/240 |  Fall, Winter | Courses must be passed with at least a 2.0. In class examinations and assessments. |
| 3 | Successfully interpret and apply technical language, instructions and blueprints. Demonstrate the ability to work safely, and to identify and take appropriate actions to correct unsafe work practices and conditions*.* |  MFG 105, MFG 185,  MFG 240, MAT 130 |  Fall, Winter | Knowledge and practical assessments are given as summative and formative in each course. All courses have a final assessment. |
| 4 | Students will demonstrate basic technical competency in troubleshooting control systems and equipment in: pneumatic, hydraulic, electrical and mechanical systems. |  MFG 170, ELT 140, MFG 190 |  Fall, Winter | Courses must be passed with at least a 2.0. In class examinations and assessments. |