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| **Program/Discipline Learning Outcomes** |
| **Academic Year: 2018-2019** |
| **Program/Discipline: (indicate program/discipline here)****Certificate in Manufacturing Design** |
| **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 machining,welding design and tolerancing.  |  MFG 164, WLD 100,  CAD 151, CAD 251, MFG 115, MFG 160 |  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, MAT 130 |  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 261 |  Fall, Winter | Knowledge and practical assessments are given as summative and formative in each course. All courses have a final assessment. |