**Fundamentals of Machine Technology**

**Science, Technology, Engineering & Mathematics Division**

The objective of the certificate program is to provide entry level skills and knowledge to individuals seeking a background in the machine technology profession. A prerequisite for entry into this certificate program is placement into or above both MAT\*095 and ENG\*096 or consent of the program director. This certificate provides entry level skills to those seeking positions in machine technology environments.

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| **Course No.** | **Title** | **Credits** |
| MFG\*H124 | Blueprint Reading I | 2 |
| MFG\*H151 | Mfg Machinery – Drill Press | 1 |
| MFG\*H152 | Mfg Machinery – Grinding | 2 |
| MFG\*H153 | Mfg Machinery – Bench Work | 2 |
| MFG\*H154 | Mfg Machinery – Lathe I | 2 |
| MFG\*H155 | Mfg Machinery – Milling I | 2 |
| MFG\*H156 | Mfg Machinery – CNC I | 2 |
| Directed Electives† | 3 |
| MFT H5234 | Metrology (non-credit course) |  |
| MFT H5235 | Manufacturing Math I (non-credit course) |  |
| MFT H5236 | Career Awareness/Development/ |  |
|  | Computer Application (non-credit course) |  |
|  | Total Credit Hours | 16 |

Directed Electives†:
CAD\*H110 Introduction to CAD or
CAD\*H150 CAD 2D or
QUA\*H114 Principles of Quality Control