

Program: Machine Tool Technology - CNC Machinist  
 Credential: Diploma  
 Student:  
 Entry Date:

| <b>FIRST SEMESTER</b>  |  |       |       |                    |
|------------------------|--|-------|-------|--------------------|
| Course No.             | Course Title                                 | Hours | Grade | Semester Completed |
| MTT 110                | Fundamentals of Machine Tool A AND           | 3     |       |                    |
| MTT 112                | Fundamentals of Machine Tool B OR            | 4     |       |                    |
| MTT 114                | Fundamentals of Machine Tool                 | 7     |       |                    |
| MTT 118                | Metrology/Control Charts                     | 3     |       |                    |
| BRX 110                | Basic Blueprint Reading for Machinist        | 2     |       |                    |
| MT 115                 | Technical Mathematics OR                     | 3     |       |                    |
| MT 125                 | Technical Algebra and Trigonometry or Higher | 3     |       |                    |
| CIS 100                | Intro to Computers                           | 3     |       |                    |
|                        |  |       |       |                    |
|                        | TOTAL  | 18    |       |                    |
|                        |  |       |       |                    |
| <b>SECOND SEMESTER</b> |  |       |       |                    |
| MTT 120                | Applied Machining I AND                      | 3     |       |                    |
| MTT 122                | Applied Machining II OR                      | 4     |       |                    |
| MTT 124                | Applied Machining                            | 7     |       |                    |
| MTT 130                | Manual Programming AND                       | 3     |       |                    |
| MTT 132                | CAD/CAM/CNC OR                               | 3     |       |                    |
| MTT 134                | Manual Programming CAD/CAM/CNC               | 6     |       |                    |
| BRX 210                | Mechanical Blueprint Reading                 | 2     |       |                    |
|                        |  |       |       |                    |
|                        | TOTAL  | 15    |       |                    |
|                        |  |       |       |                    |
| <b>THIRD SEMESTER</b>  |  |       |       |                    |
| MTT 210                | Industrial Machining I AND                   | 3     |       |                    |
| MTT 212                | Industrial Machining II OR                   | 4     |       |                    |
| MTT 214                | Industrial Machining                         | 7     |       |                    |
| MTT 2301               | Into to Conversational Programming AND       | 3     |       |                    |
| MTT 2302               | Conversational Editing and Subroutines OR    | 3     |       |                    |
| MTT 230                | Conversational Programming                   | 6     |       |                    |
|                        |  |       |       |                    |
|                        | TOTAL  | 13    |       |                    |
|                        |  |       |       |                    |

| <b>FOURTH SEMESTER</b>           |  |              |  |  |
|----------------------------------|--|--------------|--|--|
| MTT 220                          | Advanced Industrial Machining I<br>AND                       | 4            |  |  |
| MTT 222                          | Advanced Industrial Machining<br>II OR                       | 2            |  |  |
| MTT 224                          | Advanced Industrial Machining                                | 5            |  |  |
| MTT<br>2401                      | Intro to 3-D Code Sequencing<br>and Tool Path Production AND | 3            |  |  |
| MTT<br>2402                      | Advanced 3-D Code Sequencing<br>and Macro Systems OR         | 3            |  |  |
| MTT 240                          | Intro to 3-D Programming                                     | 6            |  |  |
|                                  | Elective   | 3            |  |  |
|                                  |  |              |  |  |
|                                  | TOTAL  | 14           |  |  |
|                                  |  |              |  |  |
|                                  |  |              |  |  |
| <b>NOTES Additional Classes:</b> |  |              |  |  |
|                                  | <b>General Education/Applied Academics</b>                   | <b>3</b>     |  |  |
|                                  | <b>Electives</b>   | <b>3</b>     |  |  |
|                                  | <b>TOTAL</b>   | <b>62-64</b> |  |  |