



## Computer Numerical Control Certificate - Academic Planner

Certificate: 97-628-1

Campus: Fond du Lac

Curriculum for 2016-2017

12/1/2015

| ✓                                | Course |      |  | Hours/ Week                          |     |     | Total |       | Prerequisites and/or Corequisites | Typically Offered |   |   | Comments   |    |
|----------------------------------|--------|------|--|--------------------------------------|-----|-----|-------|-------|-----------------------------------|-------------------|---|---|--|----|
|                                  | T/G    | Subj | Num                                    | Title                                | Lec | Lab | Other | Hours |                                   | Credits           | S | F |  | SP |
|                                  | G      | 103  | 159                                    | Computer Literacy - Microsoft Office |     | 2   |       |       |                                   | 36                | 1 | x |  | x  |
|                                  |        |      |  |                                      |     |     |       |       |                                   |                   |   |   | Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 804-113 College Technical Mathematics 1A   |    |
| T                                | 623    | 110  | Technical Print Reading                | 1                                    | 2   |     |       | 54    | 2                                 |                   | x |   |  |    |
| T                                | 623    | 162  | Manufacturing Processes                | 2                                    | 2   |     |       | 72    | 3                                 |                   | x | x |  |    |
| T                                | 623    | 190  | Basic Metrology                        | 2                                    | 2   |     |       | 72    | 3                                 |                   |   | x |  |    |
|                                  |        |      |  |                                      |     |     |       |       |                                   |                   |   |   | 103-159 Computer Literacy - Microsoft Office; Completion of or concurrent enrollment in 623-162 Manufacturing Processes or dean consent  |    |
| T                                | 628    | 122  | Basic CNC Programming and Operation    | 1                                    | 4   |     |       | 90    | 3                                 |                   | x |   |  |    |
|                                  |        |      |  |                                      |     |     |       |       |                                   |                   |   |   | It is recommended students have taken 628-122 Basic CNC Programming and Operation or have industry experience in programming and setup of CNC machines using G-code programming, or dean consent |    |
| T                                | 628    | 132  | Advanced CNC Programming and Operation | 2                                    | 2   |     |       | 72    | 3                                 |                   |   | x |  |    |
| G                                | 804    | 113  | College Technical Mathematics 1A       | 3                                    |     |     |       | 54    | 3                                 | x                 | x | x |  |    |
| <b>Total Certificate Credits</b> |        |      |  |                                      |     |     |       |       | <b>18</b>                         |                   |   |   |  |    |

T/G: T - Technical Studies course; G - General Studies course

Semester Codes: S-Summer; F-Fall; SP-Spring

Curriculum and program acceptance requirements are subject to change.

For a complete list of course descriptions for this program, please consult the College Catalog at <http://www.morainepark.edu/MPTCCatalog>.