**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

# COMPUTER-INTEGRATED MACHINING TECHNOLOGY/

**BASIC COMPUTER-INTEGRATED MACHINING CERTIFICATE (C50210H1)**

Effective: Fall 2022

Revised: 01/07/22

This evening certificate program is designed to develop fundamental skills in the operation of machine tools including drilling, turning, milling, and grinding. Training in basic measuring, layout, and blueprint reading is also provided.

Completers will be prepared for employment as entry-level machine operators or machinist apprentices in area manufacturing firms.

Courses in this program can be transferred directly into the Machining Technology associate degree curriculum.

Length: 4 Semesters

Prerequisite: Placement Test Equivalent

Award: Certificate

**Fall Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| MAC111AB | Machining Technology I | 1 | 6 | 0 | 3 |
| MAC131 | Blueprint Reading/Mach I | 1 | 2 | 0 | 2 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **2** | **8** | **0** | **5** |

**Spring Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| MAC111BB | Machining Technology I | 1 | 6 | 0 | 3 |
| MAC151 | Machining Calculations | 1 | 2 | 0 | 2 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **2** | **7** | **0** | **5** |

**Fall Semester 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| MAC112AB | Machining Technology II | 1 | 6 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **1** | **6** | **0** | **3** |

**Spring Semester 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| MAC112BB | Machining Technology II | 1 | 6 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **1** | **6** | **0** | **5** |

**TOTAL REQUIRED CREDITS.... 16**

**Work-Based Learning Option:** N/A