

Computer-Integrated Machining Certificates

Advisor – Calvin Mayo cmayo@email.pittcc.edu - 252-493-7504

Program A50210

CNC Certificate - C5021001

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|------------------------|-----------|---------|------------|
| MAC-121 | Intro to CNC | 2 | 0 | 2 |
| MEC-110 | Intro to CAD/CAM | 1 | 2 | 2 |
| MAC-228 | Advanced CNC Processes | 2 | 3 | 3 |
| MAC-231 | CAM: CNC Turning | 1 | 4 | 3 |
| MAC-232 | CAM: CNC Milling | 1 | 4 | 3 |

CNC Level I - C5021003

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|------------------|-----------|---------|------------|
| BPR-111 | Print Reading | 1 | 2 | 2 |
| MAC-121 | Intro to CNC | 2 | 0 | 2 |
| DFT-151 | CAD I | 2 | 3 | 3 |
| MAC-229 | CNC Programming | 2 | 0 | 2 |
| MAC-231 | CAM: CNC Turning | 1 | 4 | 3 |

CNC Level II - C5021004

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|------------------|-----------|---------|------------|
| MAC-121 | Intro to CNC | 2 | 0 | 2 |
| MAC-110 | Intro to CAD/CAM | 1 | 2 | 2 |
| MAC-229 | CNC Programming | 2 | 0 | 2 |
| MAC-231 | CAM: CNC Turning | 1 | 4 | 3 |
| MAC-232 | CAM: CNC Milling | 1 | 4 | 3 |

CNC Level III - C5021005

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|-----------------------|-----------|---------|------------|
| MAC-229 | CNC Programming | 2 | 0 | 2 |
| MAC-231 | CAM: CNC Turning | 1 | 4 | 3 |
| MAC-232 | CAM: CNC Milling | 1 | 4 | 3 |
| MAC-233 | Appl in CNC Machining | 2 | 12 | 6 |

Contact Amy Stephenson with questions: astephen@email.pittcc.edu - 252-493-7328

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CNC Level IV - C5021006

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|------------------------|-----------|---------|------------|
| MAC-228 | Advanced CNC Processes | 2 | 3 | 3 |
| MAC-231 | CAM: CNC Turning | 1 | 4 | 3 |
| MAC-232 | CAM: CNC Milling | 1 | 4 | 3 |
| MAC-233 | Appl in CNC Machining | 2 | 12 | 6 |

CNC Operator - C5021007

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|------------------------|-----------|---------|------------|
| BPR-111 | Print Reading | 1 | 2 | 2 |
| MAC-121 | Intro to CNC | 2 | 0 | 2 |
| ISC-112 | Industrial Safety | 2 | 0 | 2 |
| ISC-132 | Mfg Quality Control | 2 | 3 | 3 |
| MAC-151 | Machining Calculations | 1 | 2 | 2 |
| MAC-229 | CNC Programming | 2 | 0 | 2 |

Machining Level I - C5021008

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|---------------------------|-----------|---------|------------|
| BPR-111 | Print Reading | 1 | 2 | 2 |
| MAC-141 | Machining Applications I | 2 | 6 | 4 |
| MAC-142 | Machining Applications II | 2 | 6 | 4 |
| MAC-151 | Machining Calculations | 1 | 3 | 2 |

Machining Level II - C5021009

| Course | Title | Class Hrs | Lab Hrs | Credit Hrs |
|---------|----------------------------|-----------|---------|------------|
| MAC-141 | Machining Applications I | 2 | 6 | 4 |
| MAC-142 | Machining Applications II | 2 | 6 | 4 |
| MAC-143 | Machining Applications III | 2 | 6 | 4 |

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