## COMPUTER INTEGRATED MANUFACTURING DEGREE PLAN

**Effectve 2020-2021**

### COURSE TITLES | COURSE NUMBERS | DONE | NOW | NEED | CERT | DEGREE
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Introduction to Machining Procedures (3) | CIM105 |  |  |  | X | X
CNC Programming I (3) | CIM125 |  |  |  | X | X
Machining Procedures (3) | CIM150 |  |  |  | X | X
CNC Programming II (5) | CIM155 |  |  |  | X | X
Advanced Machining Procedures (3) | CIM205 |  |  |  | X | X
Quality Assurance (3) | CIM210 |  |  |  | X | X
Advanced CNC Programming (5) | CIM225 |  |  |  | X | X
Computer Integrated Manufacturing (3) | CIM235 |  |  |  | X | X
Computer Aided Manufacturing (5) | CIM240 |  |  |  | X | X
Introduction to 3D Contouring (3) | CIM250 |  |  |  | X | X
Industrial Blueprint Reading (3) | MTT108 |  |  |  | X | X
Dimensional Metrology (3) | MTT116 |  |  |  | X | X
Technical Internship (1-3) optional |  |  |  |  |  |  |
Group I. Communications (3) | ENG101(H) |  |  |  | X |  
Group II. Humanities/Communications (3) |  |  |  |  | X |  
Group III. Social/Behavioral Sciences (3) |  |  |  |  | X |  
Civics (3) |  |  |  |  |  |  
MO Higher Ed Civics Exam | PSC001 |  |  |  | X |  
Group IV. Industrial Math (3) | MTH105* |  |  |  | X |  
Technical Math I (3) | MTH121* |  |  |  | X |  
Group V. Computer Literacy (3) | CIS125* |  |  |  | X |  
Group VI. First Year Experience (1-3) |  |  |  |  | X |  

**Student Signature/Date**

**Advisor Signature/Date**

**Total Credit Hours:** 46-48 64-67

### GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

**Group I. Communications 3 hrs.**

- ENG101(H) English Comp. I **required**

**Group II. Humanities/Communications 3 hrs.**

- See MOTR CORE 42 list for choices
- Cannot use Performance classes

**Group III. Social/Behavioral Sciences 6 hrs.**

- 3 hours must fulfill Civics requirement
- See MOTR CORE 42 list for choices

**Group IV. Math and/or Science 6 hrs.**

- MTH105 (3) Industrial Math* **required**
- MTH121 (3) Technical Math I* **required**

**Group V. Computer Literacy 3 hrs.**

- CIS125 Computer Concepts and Applications* **required**

**Group VI. First Year Experience 1-3 hrs.**

- COL100*, COL101*, or COL136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Revised March 2020