

Last Name

First Name

**JEFFERSON COLLEGE**  
**ASSOCIATE OF APPLIED SCIENCE**  
**COMPUTER INTEGRATED MANUFACTURING DEGREE PLAN**

Effective 2021-2022

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
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	INT191,192, or193					
Group I. <i>Communications</i> (3)	ENG101(H)					X
Group II. <i>Humanities/Communications</i> (3)						X
Group III. <i>Social/Behavioral Sciences</i> (3)						X
<i>Civics</i> (3)						X
<i>MO Higher Ed Civics Exam</i>	PSC001					X
Group IV. <i>Industrial Math</i> (3)	MTH105*				X	X
<i>Technical Math I</i> (3)	MTH121*					X
Group V. <i>Computer Literacy</i> (3)	CIS125*					X
Group VI. <i>First Year Experience</i> (1-3)					X	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 2021