

COMPUTER INTEGRATED MANUFACTURING, ASSOCIATE IN APPLIED SCIENCE

complete a civics examination. Information on who is eligible for a waiver can be found on our website: <https://stlcc.edu/programs-academics/missouri-civics-exam.aspx>.

PLEASE NOTE: If you originally enrolled at STLCC prior to Fall 2022, you may need to view an archived catalog (<https://www.stlcc.edu/programs-academics/course-catalog/>) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Fall				
MTH 140	Intermediate Algebra	3	Satisfactory score on placement test and Reading Proficiency	
ME 151 or 120	Manufacturing Processes I or Manual Machining I	3	Reading Proficiency	
GE 101 or 121	Technical Computer Applications or Principles of Engineering	3	Reading Proficiency	
ENG 101	College Composition I (MOTR ENGL 100)	3	Placement score or ENG 030 or ENG 070 with a grade of "C" or better or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079	
EGR 100 or ME 154	Engineering Drawing or Mechanical Blueprint Reading	2-3	Reading Proficiency	
GE 131	Engineering Technology Orientation	1	Reading Proficiency	Discuss academic plan and elective choices with faculty advisor
	Credit Hours	15-16		
Spring				
ME 152 or 212	Manufacturing Processes II or Introduction to Computer Numerical Control (CNC) Machining	3	ME 151 and Reading Proficiency	Offered Spring only
EGR 133	Introduction to AutoCAD I	2	Reading Proficiency	
ME 140 or 121 or GE 151	Introduction to Robotics or Computer Integrated Manufacturing or Introduction to Aerospace Engineering	3	Reading Proficiency	Offered every 2 years
CIM Elective		3		
Natural Science Elective		3		College Physics recommended
Physical Education Elective		1		One credit must be activity
	Credit Hours	15		
Second Year				
Fall				
ME 249	Materials and Metallurgy	3	Reading Proficiency	Offered every 2 years
QC 212	Quality Tools for Advanced Manufacturing	3	MTH 124 or MTH 140 (or MTH 140S), and Reading Proficiency	Offered every 2 years
COM 101	Oral Communication I (MOTR COMM 100)	3	Reading Proficiency or concurrent enrollment in ENG 070	

EGR 147 or ME 230 or 145 or 148	Introduction to Engineering Design or Introduction to 3-D Solid Modeling for Design or or	2-4		
CIM Elective		5		
	Credit Hours	16-18		
Spring				
GE 240	Product Design and Fabrication	4	ME 151 or EE 134 or EGR 100 or ME 111 or department approval, and Reading Proficiency	Final culminating project experience; Offered every 2 years
ME 133	Production Control	3	Reading Proficiency	
CIM Elective		3		
Physical Education Elective		1		One credit must be activity
Social & Behavioral Sciences: Civics Requirement		3		Apply for graduation
Social & Behavioral Sciences Elective		3		
	Credit Hours	17		
	Total Credit Hours	63-66		

*Click on the hyperlinked course number to view additional information about the course.

**Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

*** It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.