

COMPUTER INTEGRATED MANUFACTURING: AAS

Full-Time Academic Plan

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

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

PLEASE NOTE: If you originally enrolled at STLCC prior to Spring 2024, 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.

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Fall				
MTH 140	Intermediate Algebra (or MTH 140S or higher)	3	Satisfactory placement 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	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 212 or 152	Introduction to Computer Numerical Control (CNC) Machining or	3	Reading Proficiency or departmental approval	Offered Spring semester only
EGR 133	Introduction to AutoCAD I	2	Reading Proficiency	
ME 140 or 121 or 151	Introduction to Robotics or Computer Integrated Manufacturing or	3	Reading Proficiency	Offered every 2 years
XXX xxx	CIM Elective	3		Choose from ME, EGR, QC, GE
XXX xxx	Life and Physical Science Elective	3		Choose from BIO, CHM, GEG 103, GEO, PHY, or PSI. College Physics is recommended.
XXX xxx	Health and Wellness Elective (http://catalog.stlcc.edu/course-descriptions/courses/hw/)	1		
	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) with a minimum grade of "C", and Reading Proficiency	Offered every 2 years

COM 101	Oral Communication I (MOTR COMM 100)	3	Concurrent enrollment in ENG 070 or Reading Proficiency	
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		Choose from ME, EGR, QC, GE
	Credit Hours	16-18		
Spring				
GE 240	Product Design and Fabrication	4	ME 151 or EE 134 or EGR 100 or ME 111 with minimum grades of "C" or department approval, and Reading Proficiency	Final culminating project experience; Offered every 2 years
ME 133	Production Control	3	Reading Proficiency	
CIM Elective		3		Choose from ME, EGR, QC, GE
XXX xxx	Health and Wellness Elective (http://catalog.stlcc.edu/course-descriptions/courses/hw/)	1		
XXX xxx	Social & Behavioral Sciences: Civics Requirement (http://catalog.stlcc.edu/general-education/)	3		Apply for graduation.
XXX xxx	MOTR Social & Behavioral Sciences Elective (http://catalog.stlcc.edu/general-education/)	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.