Recommended Academic Plan for
Computer Integrated Manufacturing (CIM)

Associate in Applied Science Degree

St. Louis Community College

This plan is a suggested semester-by-semester plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on ACT/SAT or Placement exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1

Course	Credits	Prerequisite	Milestone/Notes	Completed
MTH:140 Intermediate Algebra	3	MTH:030 OR MTH:040 with grade "C" or higher		
ME:151 Manufacturing Processes I OR ME:120 Manual Machining I	3	ME:111		
GE:101 Technical Computer Applications OR GE:121 Principles of Engineering	3			
ENG:101 College Composition I	3			
EGR:100 Engineering Drawing OR ME:154 Mechanical Blueprint Reading	2-3	EGR:050, previous drafting work, or dept. approval		
GE:131 Engineering Technology Orientation	1		Discuss academic plan, elective choices with faculty advisor	
Subtotal	**15-16**			

Semester 2

Course	Credits	Prerequisite	Milestone/Notes	Completed
ME:152 Manufacturing Processes II OR ME:212 Intro to Computer Numerical Control (CNC) Machining	3	ME:151 ME:120 is co-requisite for ME:212	Only offered in Spring semesters	
EGR:133 Introduction to AutoCAD I	2	EGR:050		
ME:140 Introduction to Robotics OR ME:121 Computer Integrated Manufacturing OR GE:151 Introduction to Aerospace Engineering	3	EGR:145, EGR:147 or dept. approval EGR:147 & GE:121 or dept. approval	Offered every 2 years	
CIM Elective	3		See list in catalog	
*Life and Physical Sciences Elective	3		College physics recommended (4 hours)	
Physical Education Elective	1		1 credit must be an activity class	
Subtotal	**15**			

Semester 3

Course	Credits	Prerequisite	Milestone/Notes	Completed
ME:249 Materials and Metallurgy	3		Offered every 2 years	
QC:212 Quality Tools for Advanced Manufacturing	3	MTH:124 OR 140	Offered every 2 years	
COM:101 Oral Communication	3			
3-D CAD Requirement Elective	2-4		Select from EGR:147, ME:230, EGR:145, EGR:148	
CIM Elective	3-5		See list in catalog	
Subtotal	**14-18**			

Semester 4

Course	Credits	Prerequisite	Milestone/Notes	Completed
GE:240 Product Design and Fabrication	4	ME:152 OR EE:233 OR department approval	Final culminating project experience Offered every 2 years	
ME:133 Production Control	3			
CIM Elective	3		See list in catalog	
Physical Education Elective	1		1 credit must be an activity class	
*Social and Behavioral Sciences Elective that meets the MO State requirement	3		**Apply for graduation**	
*Social and Behavioral Sciences Elective	3			
Subtotal	**17**			

Total Hours in the Program: 63-66

*See Catalog for classes that will fulfill the elective requirements catalog.sltcc.edu or the program web page cte.stlcc.edu/computer-integrated-manufacturing.
Maximize your transfer credits/classes by meeting with an academic advisor.
Students may substitute up to 6 credit hours of appropriate and relevant workplace learning for technical courses and/or electives included in the program. Pre-approval by the department and faculty supervision are required.

Computer Integrated Manufacturing AAS
Quick Checklist

Courses	Credit Hours	Notes
GENERAL EDUCATION		
ENG:101 College Composition I		
COM:101 Oral Communication		
MTH:140 Intermediate Algebra		
*Social and Behavioral Sciences Elective that meets the MO State requirement		
*Social and Behavioral Sciences Elective		
*Life and Physical Sciences Elective		
PHYSICAL EDUCATION 2 credit hours At least one credit must be an activity		
REQUIRED COURSES		
GE:131 Engineering Technology Orientation		
EGR:100 Engineering Drawing		
EGR:133 Introduction to AutoCAD I		
GE:101 Technical Computer Applications		
ME:133 Production Control		
ME:151 Manufacturing Processes I		
ME:152 Manufacturing Processes II		
ME:249 Materials and Metallurgy		
QC:212 Quality Tools for Advanced Manufacturing		
GE:240 Product Design and Fabrication		
ME:140 Introduction to Robotics OR ME:121 Computer Integrated Manufacturing OR GE:151 Introduction to Aerospace Engineering		
3-D CAD Requirement Elective	Select from EGR:147, ME:230, EGR:145, EGR:148	
TECHNICAL ELECTIVES 11 credit hours Choose from ME:XXX, EGR:XXX, QC:XXX OR GE:XXX		

For more information, please see College Catalog at catalog@stlcc.edu

Advisor Contact Information
Name
Phone
Email