

Recommended Academic Plan for Robotics and Automation

Certificate of
Specialization



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 COMPASS exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
ME:140 Introduction to Robotics OR ME: 121 Computer Integrated Manufacturing	3	None ----- EGR: 145 and EGR: 147 or Dept. Approval	ME:140 only offered every 2 years	
ME:211 Programmable Logic Controllers OR EE: 236 PLC/Programmable Logic Controllers	3	ME:140 or GE:101 or EE:233 or Dept. Approval	ME: 211 and EE:236 are offered interchangeably	
ME:230 Introduction to 3 –D Solid Modelling for Design	4	Dept. Approval		
Subtotal	10			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
ME: 210 Robotic Subsystems and Components	3	ME: 140 and EE: 242 or Dept. Approval	Offered every 2 years	
ME: 237 Programmable Logic Controllers II	3	EE: 236 with “B” or better or Dept. Approval	Apply for graduation	
Subtotal	6			

Total Hours in the Program: 16

*See Catalog for classes that will fulfill the elective requirements catalog.stlcc.edu.

**Students completing STLCC’s Missouri General Education requirements will receive verification on their transcripts that is recognized by all Missouri public colleges and universities except the University of Missouri-Columbia.

***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.

Robotics and Automation – CS Quick Checklist

Courses	Credit Hours	Notes
REQUIRED COURSES		
ME:140 Introduction to Robotics OR ME: 121 Computer Integrated Manufacturing		
ME:211 Programmable Logic Controllers OR EE: 236 PLC/Programmable Logic Controllers		
ME:230 Introduction to 3 –D Solid Modelling for Design		
ME: 210 Robotic Subsystems and Components		
ME: 237 Programmable Logic Controllers II		
ELECTIVES		

For more information, please see stlcc.edu/Programs/Degrees or consult the College Catalog at catalog.stlcc.edu.

<p>Advisor Contact Information</p> <p>Name _____</p> <p>Phone _____</p> <p>Email _____</p>
