

# 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	3	none	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		
<b>Subtotal</b>	<b>10</b>			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
ME: 210 Robotic Subsystems and Components	3	ME: 140	Offered every 2 years	
ME: 237 Programmable Logic Controllers II	3	ME: 211 or EE: 236	Apply for graduation	
<b>Subtotal</b>	<b>6</b>			

**Total Hours in the Program: 16**

\*See Catalog for classes that will fulfill the elective requirements [catalog.stlcc.edu](http://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**

<b>Courses</b>	<b>Credit Hours</b>	<b>Notes</b>
<b>REQUIRED COURSES</b>		
ME:140 Introduction to Robotics		
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		
<b>ELECTIVES</b>		

For more information, please see [stlcc.edu/Programs/Degrees](http://stlcc.edu/Programs/Degrees) or consult the College Catalog at [catalog.stlcc.edu](http://catalog.stlcc.edu).

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