

La Roche University
Robotics Minor PROGRAM GUIDE
Department: Computer Science

Student Name _____
I.D. Number _____

_____ **First Year Student**
 _____ **Change of Major**

_____ **Transfer**
 _____ **Readmit**

Unofficial Eval Completed by/date: _____

PURPOSE: The Minor in Robotics is meticulously designed to equip Computer Science undergraduates with a thorough and comprehensive understanding of robotics. This program delves into the fundamental principles of robotics, advanced programming techniques, and a wide range of applications. Students will engage in hands-on projects, learning to design, build, and program autonomous robotic systems. The curriculum encompasses key topics such as sensor integration, control systems, machine learning, and artificial intelligence, ensuring that graduates are well-prepared to tackle the challenges and innovations in the dynamic field of robotics.

REQUIREMENTS: To successfully complete the Minor in Robotics, the following coursework is required:

- Total Credits: 19
 - Plus 14 credits of prerequisite courses

		<u>Credits</u>	<u>Transfer Course #/Comments</u>
<u>MINOR REQUIREMENTS: 19 CREDITS</u>			
_____ CSCI1010	Programming I	3	<u>Prerequisites: CSCI1002, Corequisite: CSCI1010L</u>
_____ CSCI1010L	Programming I Lab	1	
_____ CSCI2025	Systems Programming	3	<u>Prerequisite: CSCI1010, Corequisite: CSCI2025L</u>
_____ CSCI2025L	Systems Programming Lab	1	
_____ CSCI2033	Mechatronics	3	<u>Prerequisite: PHYS1032, CSCI1010, Coreq: CSCI2033L</u>
_____ CSCI2033L	Mechatronics Lab	1	
_____ CSCI4070	Intro to Artificial Intelligence	3	<u>Prerequisites: CSCI1010, MATH1032, MATH1040</u>
_____ CSCI4080	Fundamentals of Robotics	3	<u>Prerequisites: CSCI2025, CSCI2033 Coreq: CSCI4080L</u>
_____ CSCI4080L	Fundamentals of Robotics Lab	1	

Total Credits Earned _____
 Credits Required 19
 Credits Remaining _____

Registrar's Signature _____ **Date** _____