ROBOTICS TECHNOLOGY MINOR

Program Description

The field of robotics worldwide has seen exponential growth in its applications in various industries. The Robotics Technology minor expands the knowledge base of engineering technology students into robotics and automated manufacturing by providing them a solid background and experience in programmable logic controllers, robotics programming and applications, machine vision systems, robotics simulation, and automation flow line analysis. Engineering technology graduates with a minor in robotics technology are sought after by many robotics industries to fill positions like robotics engineer, controls engineer technologist, automation engineer, and systems engineer technologist.

Requirements

Code	Title	Hours
EGRS 215	Introduction to Robotics	2
EGRS 365	Programmable Logic Controllers	3
EGRS 380	Robotics Technology	2
EGRS 381	Robotics Technology Lab	1
EGRS 480	Manufacturing Automation	3
EGRS 481	Manufacturing Automation Lab	1
Complete all courses from either of the following two sequences:		12-15
Engineering Technology Sequence		
EGNR 140	Linear Alg Num Apps Engineers	
EGNR 245	Calculus Applications For Tech	
EGNR 265	C Programming	
EGNR 496	Senior Directed Project	
EGRS 430	Sys Integration/Machine Vision	
Computer Science Sequence		
CSCI 121	Principles of Programming	
CSCI 221	Computer Networks	
CSCI 490	Ind Res Topics Computer Sci	
CSCI or MATH 300-level or above		
Total Hours		**24-27**