

ROBOTICS & ARTIFICIAL INTELLIGENCE 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, engineer technologist, automation engineer, and systems engineer technologist.

Requirements

Code	Title	Hours
CSCI 265	Int to Artificial Intelligence	3
EGRS 365	Programmable Logic Controllers	3
EGRS 381	Robotics Technology Lab	1
EGRS 430	Sys Integration/Machine Vision	4
EGRS 481	Manufacturing Automation Lab (Complete one of the following sequences)	1
Complete one of the following sequences		5
Engineering Sequence:		
EGRS 385	Robotics Engineering	
EGRS 435	Automated Manufacturing System	
Engineering Technology Sequence:		
EGRS 380	Robotics Technology	
EGRS 480	Manufacturing Automation	
Engineering Elective		3
Total Hours		20