ROBOTICS

The Robotics program is a cooperative effort between WSU Tech, the National Institute for Aviation Research (NIAR) at Wichita State University, and the Midwest Robotics Initiative Council. This program prepares students for entry into the highly technical field of industrial robotics.

Learning will take place in a fully equipped robotics laboratory with advanced students having opportunities to apply cutting edge robotics research to laboratory projects.

Degree And Certificate Options	Length	Cost
AAS Degree	2 Years	$16,771
Technical Certificate	18 Months	$12,150

PROGRAM ENTRY REQUIREMENTS

♦ Be 16 years of age or older

♦ Meet entrance assessments:
  General Math Assessment Score = 72
  (College Algebra math level)

PROGRAM CONTACTS:

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WHY CHOOSE ROBOTICS?

♦ Hands on training

♦ Work within multiple industries

♦ State-of-the-art facilities

♦ Endorsed by the Advanced Robotics for Manufacturing Institute

♦ Applied learning opportunities

♦ Classes take place twice a week

♦ Financial Aid eligible

ABOUT WSU TECH

WSU Tech is a different kind of college, changing lives by training people for high-wage, high-demand jobs. We work hand-in-hand with employers to determine their job needs now and into the future so our students graduate with the right skills.

Careers start here.
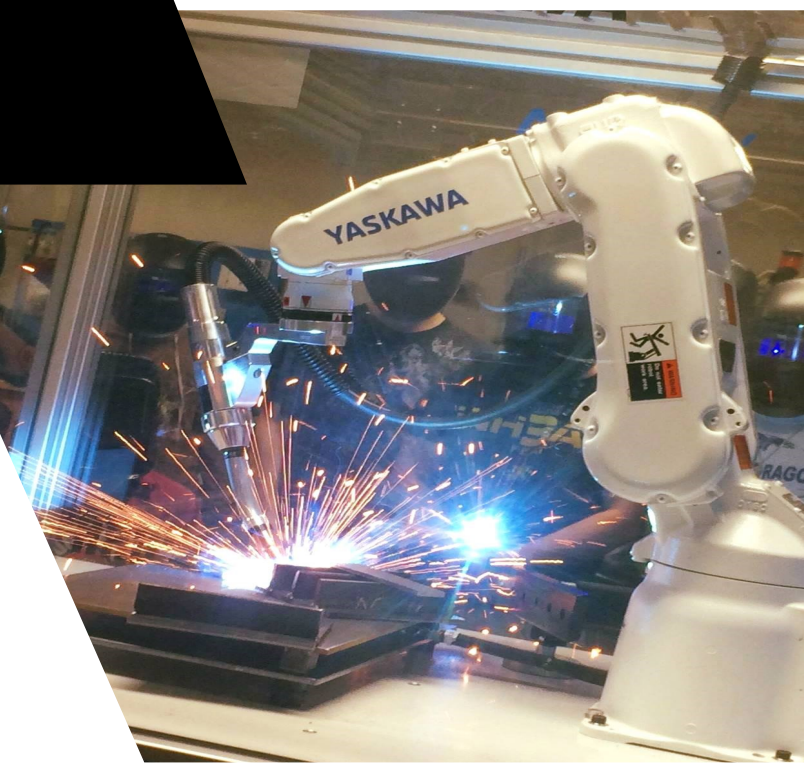www.WSUTECH.edu

WSU TECH

PROGRAM FLOW

Robotics covers four unique topics.

1. Robotic Technician
2. Robotic Programming
3. The Internet of Things
4. Programmable Logic Control

Each topic has a career path in the Robotics/Advanced Automation industry. The program flow for a typical Robotics student is below. AAS classes are highlighted.

Semester 1 - Fall

Course Prefix	Course Number	Course Title	Credit Hours
ROB	118	Basic Circuits	3
ROB	128	Basic PLC	3
ROB	100	Introduction to Robotics	3
MTH	112	College Algebra	3
AAS Classes			
			12

Semester 2 - Spring

Course Prefix	Course Number	Course Title	Credit Hours
ROB	115	Intro to Programming Robotics	4
ROB	138	Advanced PLC	3
ROB	124	Robotic Navigation	2
HUM	-	Humanities Elective	3
AAS Classes			
			12

Semester 3 - Summer

Course Prefix	Course Number	Course Title	Credit Hours
ROB	120	IoT Fundamentals: Intro of IoT	3
ROB	130	IoT: Connected Things	3
SPH	-	Communications Elective	3
AAS Classes			
			9

Semester 4 - Fall

Course Prefix	Course Number	Course Title	Credit Hours
ROB	103	Applied Robotics Lab I	4
ROB	104	Robotics Simulation	2
ROB	106	Robotics Controller Maint.	1
ROB	140	IoT Fundamentals: Big Data An.	3
ROB	145	Applied Robotics Lab II	2
ENG	101	English Composition	3
AAS Classes			
			15

Semester 5 - Spring

Course Prefix	Course Number	Course Title	Credit Hours
ROB	134	Robotic Perception and Manipulation	4
ROB	-	Robotic Electives	6
ROB	170/172	Robotics Internship/Capstone	3
SOC	-	Social Science Elective	3
AAS Classes			
			16

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