

# 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	\$14,230
Technical Certificate	18 Months	\$11,342

## PROGRAM ENTRY REQUIREMENTS

- Be 16 years of age or older
- Meet entrance assessments:  
General Math Assessment Score = 72

## PROGRAM CONTACTS:

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Admissions Counselor

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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](http://www.WSUTECH.edu)

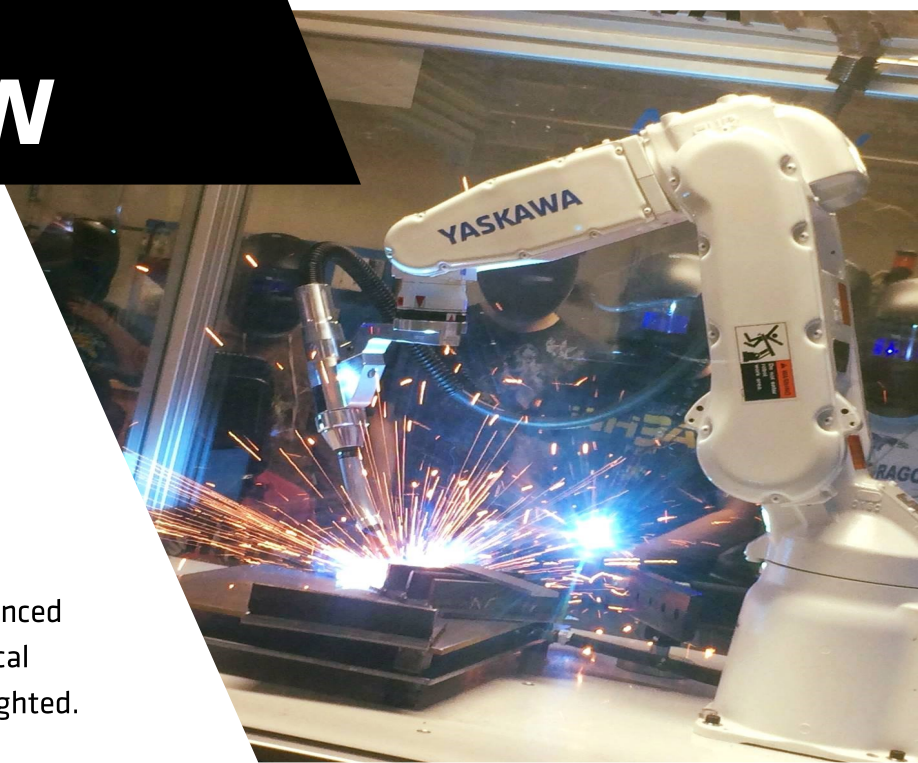


# PROGRAM FLOW

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	138	Advanced PLC	3
ROB	100	Introduction to Robotics	3
MTH	112	College Algebra	3
AAS Classes			15

## Semester 2 - Spring

Course Prefix	Course Number	Course Title	Credit Hours
ROB	115	Intro to Programming Robotics	4
ROB	120	IoT: Internet of Things	1
ROB	124	Robotic Navigation	2
ROB	104	Applied Robotics Lab I	4
PDV	105	Blueprint for Personal Success	2
AAS Classes			13

## Semester 3 - Summer

Course Prefix	Course Number	Course Title	Credit Hours
ROB	104	Robotics Simulation	2
ROB	130	IoT: Connected Things	3
CED	115	Computer Applications	3
AAS Classes			8

## Semester 4 - Fall

Course Prefix	Course Number	Course Title	Credit Hours
ROB	140	IoT: Big Data Analytics	3
ROB	106	Robotics Controller Maint.	1
ROB	134	Rob. Perception/Manipulation	2
ROB	145	Applied Robotics Lab II	2
ENG	101	English Composition	3
AAS Classes			13

## Semester 5 - Spring

Course Prefix	Course Number	Course Title	Credit Hours
ROB	144	Machine Learning for Robotics	3
ROB	150	IoT: Security	3
ROB	170/172	Robotics Internship/Capstone	3
SOC	XX	Social Science Elective	3
AAS Classes			12

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