# Robotics, AAS

| CRN | | COURSE NAME | CREDITS |
|---|---|---|---|
| ROB | 100 | Introduction to Robotics | 3 |
| ROB | 103 | Applied Robotics Lab I | 4 |
| ROB | 104 | Robotics Simulation | 2 |
| ROB | 106 | Robotics Controller Maintenance | 1 |
| ROB | 115 | Introduction to Programming Robots in ROS | 4 |
| ROB | 118 | Basic Circuits | 3 |
| ROB | 120 | IoT Fundamentals: Introduction to the Internet of Things | 1 |
| ROB | 124 | Robotic Navigation | 2 |
| ROB | 128 | Basic PLC | 3 |
| ROB | 130 | IoT Fundamentals: Connected Things | 3 |
| ROB | 134 | Robotic Perception and Manipulation | 4 |
| ROB | 138 | Advanced PLC | 3 |
| ROB | 140 | IoT Fundamentals: Big Data Analytics | 3 |
| ROB | 145 | Applied Robotics Lab II | 2 |
| **ROB** | | **Robotics Electives - 6 Credits** | **6** |
| **ROB** | | **Experiential Learning Elective - 3 Credits** | **3** |
| CED | 115 | Computer Applications | 3 |
| ENG | 101 | Composition I | 3 |
| MTH | 112 | College Algebra | 3 |
| PDV | 105 | Blueprint for Personal Success | 2 |
| | | **Communication Elective** | **3** |
| | | **Social Science Elective** | **3** |
| **Experiential Learning Electives** | | | |
| ROB | 170 | Robotics Internship | |
| ROB | 172 | Robotics Capstone | |
| **Robotics Electives** | | | |
| ROB | 155 | Advanced Industrial Workcell Programming | |
| ROB | 144 | Machine Learning for Robotics | |
| ROB | 150 | IoT Security | |
| ROB | 148 | PLC System Design and Simulation | |
| **Total** | | | **64.00** |

*Some courses may have a prerequisite in addition to the classes listed above. Please contact an Academic Advisor for details. Visit WSUTECH.edu/Checklist for program admission requirements.

## LOCATION

National Center for Aviation Training
4004 N. Webb Road | Wichita, KS 67226
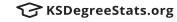316.677.9400   Get maps at WSUTECH.edu/Campuses

## COSTS*

| **PROGRAM TOTAL** | **$14,230.00** |
|---|---|

*Cost does not include online fees, books or tools.
Financial Assistance may be available to those who qualify.
Total calculated based on the lowest cost combination of elective credits required.

## PLACEMENT & WAGE DATA

**www.WSUTECH.edu/Placement**

Get historical data on job placement rates and average wages from WSU Tech graduates.