



Industrial Mechanics and Maintenance Technology
Robotics Specialization
Associate of Applied Science

AAS.IMMT
2023-2024

Texas Southmost College
Division of Business, Engineering, Architecture, and Technology

The Associate of Applied Science in Industrial Mechanics and Maintenance Technology (IMMT)- Robotics Specialization helps students develop skills in many areas related to robotics, including installation, interfacing, programming and maintenance of robotic cells. Employment opportunities include robot technician, instrument and automation technician, programmable logic controllers technician. Students who enroll and successfully complete RBTC 1343 Robotics must also enroll and successfully complete RBTC 1347 Electro-Mechanical Devices and RBTC 2345 Robot Application, Set-up, and Testing to graduate with the Robotics Specialization.

Recommended Course Sequence

FIRST YEAR – FALL SEMESTER	Credits	Core/ Program
CETT 1302* Electricity Principles	3	Program
INMT 1305* Introduction to Industrial Maintenance	3	Program
DFTG 1325* Blueprint Reading and Sketching	3	Program
RBTC 1343*§ Robotics	3	Program
ENGL 1301* Composition I	3	Core
FIRST YEAR – SPRING SEMESTER	Credits	Core/ Program
RBTC 1347*§ Electro-Mechanical Devices	3	Program
ELMT 1305* Basic Fluid Power	3	Program
WLDG 1307* Introduction to Welding Using Multiple Processes	3	Program
INTC 1341* Principles of Automatic Control	3	Program
MATH 1332* Contemporary Mathematics (Quantitative Reasoning)	3	Core
SECOND YEAR – FALL SEMESTER	Credits	Core/ Program
ELMT 1301* Programmable Logic Controllers	3	Program
ELPT 1341* Motor Control	3	Program
HYDR 1345* Hydraulics and Pneumatics	3	Program
INMT 2301* Machinery Installation	3	Program
XXXX X3XX† Social & Behavioral Sciences Elective	3	Core
SECOND YEAR – SPRING SEMESTER	Credits	Core/ Program
RBTC 2345*§ Robot Application, Set-up, and Testing	3	Program
ELMT 2339* Advanced Programmable Logic Controllers	3	Program
INMT 2345*‡ Industrial Troubleshooting	3	Program
SPCH 1315*Public Speaking OR SPCH 1318* Interpersonal Communication	3	Core
XXXX X3XX† Creative Arts Elective	3	Core
Total Credit Hours for Graduation	60	



Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Pending

Check course core designation at the [Class Availability website](#).

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.

*Grade of "C" or better is required for graduation.

†Students may take any course within this category of the TSC General Education Core Curriculum.

‡This is a capstone course.

Students who enroll and complete RBTC 1343 must enroll and successfully complete RBTC 1347 and RBTC 2345 to graduate with the robotics specialization.