

Industrial Mechanics and Maintenance Technology Associate of Applied Science

Texas Southmost College
Division of Science, Technology, Engineering and
Mathematics

The Associate of Applied Science in Industrial Mechanics and Maintenance Technology (IMMT) program is designed for students who seek jobs in industrial maintenance in a variety of industry sectors. The program provides the opportunity to develop skills in many areas including electrical, troubleshooting, maintenance planning, programmable logic control systems, blueprint reading, and welding. Employment opportunities include industrial machinery mechanics, industrial maintenance technicians, millwrights, and wind turbine service technicians.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
ENGL 1301 ⁺ Composition I	3
CETT 1302 ⁺ Electricity Principles.....	3
INMT 1305 ⁺ Introduction to Industrial Maintenance	3
DFTG 1325 ⁺ Blueprint Reading and Sketching.....	3
ELPT 1325 ⁺ National Electrical Code I.....	3
 FIRST YEAR - SPRING SEMESTER	
HART 1303 ⁺ Air Conditioning Control Principles	3
ELMT 1305 ⁺ Basic Fluid Power.....	3
WLDG 1307 ⁺ Introduction to Welding Using Multiple Processes.....	3
INTC 1341 ⁺ Principles of Automatic Control.....	3
MATH 1332 ⁺ Contemporary Mathematics (Quantitative Reasoning).....	3
 SECOND YEAR - FALL SEMESTER	
ELMT 1301 ⁺ Programmable Logic Controllers.....	3
ELPT 1341 ⁺ Motor Control	3
HYDR 1345 ⁺ Hydraulics and Pneumatics	3
INMT 2301 ⁺ Machinery Installation.....	3
XXXX X3XX ¹ Social and Behavioral Sciences Elective	3
 SECOND YEAR - SPRING SEMESTER	
SPCH 1315 ⁺ Public Speaking OR	
SPCH 1318 ⁺ Interpersonal Communication	3
PFPB 2308 ⁺ Piping Standards and Materials	3
ELMT 2339 ⁺ Advanced Programmable Logic Controllers.....	3
INMT 2345 ⁺ ² Industrial Troubleshooting	3
XXXX X3XX ¹ Creative Arts Elective.....	3

TOTAL CREDIT HOURS FOR GRADUATION - 60

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

¹Students may take any course within this category of the TSC General Education Core Curriculum.

²This is a capstone course.