

# Career-Technical Education Associate of Applied Science Degree Plan

## INDUSTRIAL MAINTENANCE TECH. PROGRAM CHECK SHEET | IMTT Major | CIP Code: 47.0303

The Industrial Maintenance program of study will prepare individuals for entry-level employment as multi-craft maintenance technicians. Industrial maintenance trade technicians are responsible for assembling, installing, maintaining, and repairing machinery used in the manufacturing or industrial environment. Instruction will include a variety of areas such as safety, machinery maintenance and troubleshooting/service, blueprint reading, basic machining operations, fundamentals of piping and hydro-testing, and fundamentals of industrial electricity. In addition, students will develop problem-solving skills in industrial electrical procedures, programmable logic controllers, and process control.

### Admission Requirements

A minimum ACT score of 15 is required or applicants must score at the 10<sup>th</sup> grade level on the TABE Form 9/10 to be admitted to the program. Exceptions may be made, with instructor permission, for students who do not meet entrance requirements provided the student meets the requirements by the end of the first semester or has a 2.0 GPA.

		Prev. Taken	FALL 20__	SPRING 20__	FALL 20__	SPRING 20__
<b>REQUIRED COURSES:</b>						
<b>FIRST SEMESTER FRESHMAN</b>						
IMM 1933 Manufacturing Skills Basic	3 hrs.					
IMM 1113 Industrial Maintenance Core and Safety	3 hrs.					
IMM 1213 Introduction to Industrial Maintenance	3 hrs.					
IMM 1153 Electrical and Instrumentation Level I	3 hrs.					
IMM 1243 Mechanical and Industrial Maintenance I	3 hrs.					
ENG 1113 English Composition I	3 hrs.					
<b>SECOND SEMESTER FRESHMAN</b>						
IMM 1164 Electrical and Instrumentation Level II	4 hrs.					
IMM 1324 Motor Control Systems	4 hrs.					
IMM 1254 Mechanical and Industrial Maintenance II	4 hrs.					
IMM 1913 Special Projects in Industrial Maint Mech	3 hrs.					
Math/Natural Science Elective (MAT 1313, BIO, CHE, or PHY)	3 hrs.					
<b>FIRST SEMESTER SOPHOMORE</b>						
IMM 1314 Principles of Hydraulics and Pneumatics	4 hrs.					
IMM 2214 Advanced Electrical Industrial Maint	4 hrs.					
IMM 1813 Industrial Electricity Level I	3 hrs.					
SPT/COM 1113 Public Speaking	3 hrs.					
Humanities/Fine Arts Elective (HIS, ENG Literature, ART 113, or MUS 1113)	3 hrs.					
<b>SECOND SEMESTER SOPHOMORE</b>						
IMM 1734 Maintenance Welding and Metals	4 hrs.					
IMM 2613 Programmable Logic Controllers	3 hrs.					
IMM 2223 Advanced Mechanical Industrial Maint	3 hrs.					
Social/Behavioral Science (Soc 2113 or PSY 1513)	3 hrs.					
<b>TOTAL HOURS:</b>	<b>66 HRS.</b>					
<b>NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.</b>	<b>Total Hours</b>					
	<b>66</b>					
	<b>Advisor Initials</b>					
	<b>Date</b>					