

## INDUSTRIAL MAINTENANCE TECHNICAL CERTIFICATE

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.

REQUIRED COURSES:		PREV TAKEN	FALL	SPRING	FALL	SPRING
<b>1<sup>st</sup> 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.					
<b>2<sup>nd</sup> Semester Freshman</b>						
IMM 1164 Electrical and Instrumentation Level II	4 hrs.					
IMM 1254 Mechanical and Industrial Maintenance II	4 hrs.					
IMM 1324 Motor Control Systems	4 hrs.					
IMM 1913 Special Projects in Industrial Maint Mech	3 hrs.					
<b>3<sup>rd</sup> Semester Sophomore</b>						
IMM 1314 Principles of Hydraulics and Pneumatics	4 hrs.					
IMM 2214 Advance Electrical Industrial Maintenance	4 hrs.					
IMM 1813 Industrial Electricity Level 1	3 hrs.					
<b>4<sup>th</sup> Semester Sophomore</b>						
IMM 1734 Maintenance Welding and Metals	4 hrs.					
IMM 2613 Programmable Logic Controllers	3 hrs.					
IMM 2223 Advance Mechanical Industrial Maint.	3 hrs.					
<b>Suggested Electives (with instructor's permission)</b>						
IMM 1922 Supervised Work Exp. Industrial Maint.	2 hrs.					
<b>Total Hours:51</b>						
<b>Advisor Initials:</b>						
<b>Date:</b>						