

**GENERAL TECHNOLOGY
INDUSTRIAL MAINTENANCE PATHWAY
2024-25 DEGREE PLAN
Associate of Applied Science: 60 Credits**

REQUIRED ACADEMIC CORE		
	TECH 12074 Technical Success Strategies	4
	TECH 11163 Workplace Writing (or higher)	3
	MATH 10103 Technical Math (or higher)	3
	CPSI 10003 Microcomputer Applications	3
	Choose 1: ECON/HIST/PLSC/PSYC/SOCI/SPAN	3
Academic Core Requirements		16

INDUSTRIAL MAINTENANCE REQUIREMENTS		
	TECH 12064 Technical Fundamentals	4
	AMST 14004 Basic Electricity	4
	AMST 11004 Hydraulics/Pneumatics	4
	AMST 10004 Mechanical Devices/Systems I	4
	AMST 20004 Mechanical Devices/Systems II	4
	AMST 14004 Industrial Motor Controls	4
	AMST 13004 Programmable Logic Controls (PLCs)I	4
	AMST 24004 Industrial Wiring w/NEC	4
	AMST 26004 Programmable Logic Controls (PLCs) with Instrumentation II	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4
Industrial Maintenance Requirements		44

Technical Certificate: Industrial Technology		
	TECH 12074 Technical Success Strategies	4
	TECH 11163 Workplace Writing (or higher)	3
	MATH 10103 Technical Math (or higher)	3
	TECH 12064 Technical Fundamentals	4
	AMST 14004 Basic Electricity	4
	AMST 11004 Hydraulics/Pneumatics	4
	AMST 10004 Mechanical Devices/Systems I	4
	AMST 20004 Mechanical Devices/Systems II	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4

Technical Certificate: Industrial Electricity		
	TECH 12074 Technical Success Strategies	4
	TECH 11163 Workplace Writing (or higher)	3
	MATH 10103 Technical Math (or higher)	3
	TECH 12064 Technical Fundamentals	4
	AMST 14004 Basic Electricity	4
	AMST 14004 Industrial Motor Controls	4
	AMST 13004 Programmable Logic Controls (PLCs)I	4
	AMST 24004 Industrial Wiring w/NEC	4
	AMST 26004 Programmable Logic Controls (PLCs) with Instrumentation II	4

Certificate of Proficiency: Hydraulics/Pneumatics		
	TECH 12064 Technical Fundamentals	4
	AMST 11004 Hydraulics/Pneumatics	4
	AMST 10004 Mechanical Devices I –OR- AMST 20004 Mechanical Devices II	4

Certificate of Proficiency: Industrial Motor Controls		
	TECH 12064 Technical Fundamentals	4
	AMST 14004 Basic Electricity	4
	AMST 14004 Industrial Motor Controls	4

Certificate of Proficiency: Mechanical Devices		
	TECH 12064 Technical Fundamentals	4
	AMST 10004 Mechanical Devices/Systems I	4
	AMST 20004 Mechanical Devices/Systems II	4

Certificate of Proficiency: Programmable Controls		
	TECH 12064 Technical Fundamentals	4
	AMST 14004 Basic Electricity	4
	AMST 14004 Industrial Motor Controls	4
	AMST 13004 Programmable Logic Controls (PLCs)I	4
	AMST 26004 Programmable Logic Controls (PLCs) with Instrumentation II	4

Certificate of Proficiency: SMAW Welding		
	TECH 12064 Technical Fundamentals	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4