UA Cossatot

GENERAL TECHNOLOGY
INDUSTRIAL MAINTENANCE PATHWAY
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 15004 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
AAS Requirements	**44**

Technical Certificate: Industrial Technology	38
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 15004 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	34
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 15004 Basic Electricity	4
AMST 14004 Industrial Motor Controls	4
AMST 13004 Programmable Logic Controls (PLCs)I	4
AMST 24044 Industrial Wiring w/NEC	4
AMST 26004 Programmable Logic Controls (PLCs) with Instrumentation II	4

Certificate of Proficiency: Hydraulics/Pneumatics	12
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	12
TECH 12064 Technical Fundamentals	4
AMST 15004 Basic Electricity	4
AMST 14004 Industrial Motor Controls	4

Certificate of Proficiency: Mechanical Devices	12
TECH 12064 Technical Fundamentals	4
AMST 10004 Mechanical Devices/Systems I	4
AMST 20004 Mechanical Devices/Systems II	4

Certificate of Proficiency: Programmable Controls	20
TECH 12064 Technical Fundamentals	4
AMST 15004 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	12
TECH 12064 Technical Fundamentals	4
WELD 23464 Welding I – SMAW I	4
WELD 23564 Welding II – SMAW II	4

ADVISOR: Tiana Kelly tkelly@cccua.edu
Eligible for ARFuture Grant ADHE Scholarship Application Management System - Scholarship - ARFUTURE

PROGRAM INFORMATION: This degree was co-designed with local manufacturers to ensure the curriculum is relevant and up to date. While in the program, students will earn stackable credentials; Certificates of Proficiency in Mechanical Devices, Hydraulics and Pneumatics, Industrial Motor Controls, Programmable Controls, and Welding will lead to Technical Certificates in Industrial Technology and Industrial Electricity. All hours will apply toward the Associate of Applied Science in General Technology degree. Students will gain the skills needed to perform duties required in industrial maintenance settings. After the successful completion of the Industrial Fundamentals course, which follows the NCCER curriculum, students will have the opportunity to earn a nationally recognized industry certification.

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CAREER OPTIONS: Industrial Technology provides students with the skills needed to perform general duties required in entry-level maintenance or production jobs with greatly increased employment opportunity. The skillsets learned in the Industrial Electricity may be applied toward a career in industrial electricity or in support of a multi-craft degree.

Score Requirements			
Subject	**Next Gen**	**ACT**	**Accuplacer**
Reading	230	17	78
Writing	255	17	83
Math	240	17	30

Technical Math has a pre-requisite requirement of the appropriate reading score or a co-req of the Workplace Writing course.