

ACADEMIC MAP

Reliability and Maintenance Technology, A.A.S.



Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
IM 101 INDUSTRIAL MAINTENANCE 1	3	
IM 102 INDUSTRIAL MAINTENANCE 2	3	
IM 103 INDUSTRIAL MAINTENANCE 3	3	
ENGL 107 OR ENGL 101	3	
MATH 125 — TECHNICAL MATH OR HIGHER	3	
TOTAL:	16	



The Associate of Applied Science in Reliability and Maintenance Technology prepares graduates for maintenance and repair positions in today's modern industrial facilities. Courses include

preventative maintenance, welding, and troubleshooting concepts that integrate practical application and knowledge of hydraulic and mechanical systems.



MILESTONE COURSE:

These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters.



CAREER PLANNING:

Plant maintenance jobs, field and shop welder, pipefitters, millwrights, industrial maintenance technician: \$15.74-\$26.15 per hour.



CAPSTONE COURSE:

The capstone is a semester long project that must be taken in the graduation semester. A "C" or better must be earned.



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Semester 2

COURSE	CR	COMMENTS
AESTHETICS, CREATIVITY & APPRECIATION OR HUMAN COMMUNICATION & INTERACTION OR PEOPLE AND THEIR WORLDS	3	CHOOSE 1 OF THE 3 LISTED
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	
MTEC 103 INTRO TO MAINTENANCE TECH	3	
IM 201 INDUSTRIAL MAINTENANCE 4	3	
IM 202 INDUSTRIAL MAINTENANCE 5	3	
IM 203 INDUSTRIAL MAINTENANCE 6	3	
TOTAL:	17	

Semester 3

COURSE	CR	COMMENTS
WELD 111 BASIC OXYACETYLENE WELDING	3	
WELD 121 BASIC SHIELDED METAL ARC(SMAW)	3	
WELD 171 WELDING THEORY	1	
PHYS 101 ~INTRO TO PHYSICS 1	4	
WELD 261 STEEL FABRICATION	3	
TOTAL:	14	

TOTAL DEGREE CREDITS:

60

2022-2023

Semester 4

COURSE	CR	COMMENTS
AESTHETICS, CREATIVITY & APPRECIATION OR HUMAN COMMUNICATION & INTERACTION OR PEOPLE AND THEIR WORLDS	3	CHOOSE 1 OF THE 3 LISTED
WELD 221 ADV SHIELDED METAL ARC (SMAW)	3	
WELD 291 FABRICATION SHOP	3	
ELEC 101 ELECTRICITY & ELECTRONICS FUND	3	
MTEC 280 CAPSTONE COURSE	1	
TOTAL:	13	

Foundational Learning Courses (FLCs):

To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

Aesthetics, Creativity, and Appreciation	Human Communication and Interaction	People and Their Worlds	Quantitative Reasoning	Scientific Inquiry	Writing and Rhetoric
ART-101	COMM-105	ECON-201	MATH-120	ASTR-106 BIOL-101	ENGL-101
ART-111	COMM-111	ECON-202	MATH-125	BIOL-102	ENGL-102
ENGL-131	COMM-112	GEOG-102	MATH-126	BIOL-103	ENGL-107
ENGL-132	COMM-202	HIST-101	MATH-211	BIOL-104	
ENGL-221		HIST-102		BIOL-107	
ENGL-222		HIST-152		BIOL-108	
ENGL-241		HIST-153		BIOL-109	
ENGL-242		HIST-250		BIOL-115	
ENGL-257		PHIL-111		BIOL-117	
ENGL-261		PHIL-150		BIOL-171	
ENGL-262		PHIL-231		CHEM-111	
ENGL-285		POLS-101		CHEM-115	
MUSI-170		POLS-102		CHEM-116	
THEA-101		PSYC-101		GEOL-101	
		PSYC-241		GEOL-102	
		SOC-101		GEOL-103	
		SOC-107		GEOL-104	
		SOC-221		GEOL-105	
				PSCI-101	
				PSCI-111	
				PSCI-112	
				PHYS-101	
				PHYS-102	
				PHYS-111	