

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	
MATH 125 OR MATH 126	3	
ENGL 107 OR ENGL 101	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
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	
PHIL PHIL 170 OR PHIL 231	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

2020-2021

Semester 4

COURSE	CR	COMMENTS
COMM 111 OR COMM 112	3	
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	

RELIABILITY AND MAINTENANCE TECHNOLOGY

Associate of Applied (AAS) Science

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. Courses include preventive maintenance, system design, and troubleshooting concepts that integrate practical application and knowledge of electrical, electronic, hydraulic, and mechanical systems. Students learn technical skills in reading schematics, pneumatics/hydraulics, welding, fabrication, electricity, safety, and maintenance procedures. Educational experiences include extensive hands-on instruction in a laboratory/shop setting. This blend of theory and application helps the student to adapt to changing technology and work environments.

Graduation Requirements:

- Complete the minimum number of credit hours required for the degree.
- Complete the general education curricula for the degree.
- Complete at least 15 semester hours credit at WVU Parkersburg.
- Maintain a minimum 2.0 cumulative grade point average.
- Complete and file the graduation application, in OLSIS, within the stated deadlines

General Education Courses



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

Composition & Rhetoric	Science & Technology	Math & Quantitative Skill	Society, Diversity & Connections	Human Inquiry & the Past	The Arts and Creativity
ENGL 101	ASTR 106	MATH 120 *	COMM 105	HIST 101	History & Literature of the Arts
ENGL 102	BIOL 101 & BIOL 103 L	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102	MATH 125 *	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 104 L	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 107 *	MATH 128	ECON 202	HIST 250 *	ART 106
	BIOL 108 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 109 *	MATH 150	FREN 102	PHIL 150 *	THEA 101
	BIOL 115	MATH 155	GEOG 102	PHIL 170	Literature
	BIOL 117	MATH 156	GEOG 240		ENGL 131
	BIOL 171	MATH 211	POLS 102		ENGL 132
	CHEM 111		POLS 220		ENGL 221
	CHEM 115		PSYC 101		ENGL 222
	CHEM 116		PSYC 241		ENGL 241
	CS 101		RELI 231		ENGL 242
	GEOL 101 & GEOL 102 L		SOC 101		ENGL 261
	GEOL 103 & GEOL 104 L		SOC 105		ENGL 262
	GEOL 105 & GEOL 105 L		SOC 221		ENGL 285
	PSCI 111		SOC 232		Applied Arts
	PSCI 112		SPAN 101		ART 109
	PHYS 101		SPAN 102		THEA 102
	PHYS 102				Creative Writing
	PHYS 111				ENGL 213
	PHYS 112				ENGL 214
					ENGL 215

* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).