

ACADEMIC MAP

Electrical Reliability and Maintenance, 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 Electrical Reliability and Maintenance** prepares graduates for positions as technicians that install, service, repair, and maintain equipment in today's modern

industrial, commercial and/or manufacturing facilities. Courses include preventive maintenance, system design, and troubleshooting concepts that integrate practical application and knowledge of electrical, electronic, hydraulic, and mechanical systems.

Semester 2

| COURSE | CR | COMMENTS |
|---|-----------|----------|
| MTEC 102 INTRODUCTORY CRAFT SKILLS | 2 | |
| MTEC 103 INTRO TO MAINTENANCE TECH | 3 | |
| IM 203 INDUSTRIAL MAINTENANCE 6 | 3 | |
| IM 202 INDUSTRIAL MAINTENANCE 5 | 3 | |
| WELD 121 BASIC SHIELDED METAL ARC(SMAW) | 3 | |
| IM 201 INDUSTRIAL MAINTENANCE 4 | 3 | |
| TOTAL: | 17 | |



MILESTONE COURSE:

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



CAREER PLANNING:

Multi-Craft Technicians, Electrical and Instrumentation Technicians, Pipefitters, Millwrights, Industrial Maintenance Technicians make an average wage of \$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 3

| COURSE | CR | COMMENTS |
|---|-----------|----------|
| ELEC 103 ELECTRICAL & INSTRUMENTATION 2 | 3 | |
| ELEC 104 ELECTRICAL & INSTRUMENTATION 3 | 3 | |
| COMM 111 OR COMM 112 | 3 | |
| ELEC 102 ELECTRICAL & INSTRUMENTATION 1 | 3 | |
| PHIL 170 OR PHIL 231 | 3 | |
| TOTAL: | 15 | |

TOTAL DEGREE CREDITS:

62

Semester 4

| COURSE | CR | COMMENTS |
|---|-----------|----------|
| ELEC 202 ELECTRICAL & INSTRUMENTATION 4 | 3 | |
| ELEC 203 ELECTRICAL & INSTRUMENTATION 5 | 3 | |
| ELEC 204 ELECTRICAL & INSTRUMENTATION 6 | 3 | |
| CS 101 INTRO TO PC APPLICATIONS | 4 | |
| MTEC 280 CAPSTONE COURSE | 1 | |
| TOTAL: | 14 | |

2021-2022

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 | |
| ENGL 108* | BIOL 104 L | MATH 126 | ECON 201 | HIST 153 | ART 101 |
| | BIOL 107 * | MATH 128 | ECON 202 | HIST 250 * | ART 105 |
| | BIOL 108 * | MATH 129 | FREN 101 | PHIL 111 | ART 106 |
| | BIOL 109 * | MATH 150 | FREN 102 | PHIL 150 * | MUSI 170 |
| | BIOL 115 | MATH 155 | GEOG 102 | PHIL 170 | THEA 101 |
| | BIOL 117 | MATH 156 | GEOG 240 | | Literature |
| | BIOL 171 | MATH 211 | POLS 102 | | ENGL 131 |
| | CHEM 111 | | POLS 220 | | ENGL 132 |
| | CHEM 115 | | PSYC 101 | | ENGL 221 |
| | CHEM 116 | | PSYC 241 | | ENGL 222 |
| | CS 101 | | RELI 231 | | ENGL 241 |
| | GEOL 101 & GEOL 102 L | | SOC 101 | | ENGL 242 |
| | GEOL 103 & GEOL 104 L | | SOC 105 | | ENGL 261 |
| | GEOL 105 & GEOL 105 L | | SOC 221 | | ENGL 262 |
| | PSCI 111 | | SOC 232 | | ENGL 285 |
| | PSCI 112 | | SPAN 101 | | Applied Arts |
| | PHYS 101 | | SPAN 102 | | ART 109 |
| | PHYS 102 | | | | THEA 102 |
| | PHYS 111 | | | | Creative Writing |
| | PHYS 112 | | | | ENGL 213 |
| | | | | | ENGL 214 |
| | | | | | ENGL 215 |

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