2020-2021 TTC Catalog

General Technology - Marine Engineering Technology

Associate in Applied Science in General Technology

Marine Engineering Technology Career Path

64 Credits

The General Technology major allows students to select course work necessary to become multi-skilled technicians. In addition to completing the college's core curriculum, students also complete course work in at least two technical areas. The following is an example of a career path available. The secondary paths may be substituted for courses in other programs' primary path. Interested students should talk with their advisors.

This career path provides students with the opportunity and fundamental knowledge to work aboard United States Merchant Mariner vessels with the engine department upon successful completion of TTC's initial course work in the General Education Core and Primary Technical Specialty requirements. Students receive a comprehensive knowledge of machinery theory as well as hands-on experience to install, repair and maintain various types of equipment.

Students can earn only one General Technology degree in a single career path.

General Education Core Requirements

ENG 101 English Composition I 3
MAT 170 Algebra, Geometry and Trigonometry I 3
SPC 209 Interpersonal Communication 3

| REQ HUM | Select from Humanities | 3 |
| REQ SSC | Select from Behavioral/Social Sciences | 3 |

Total: 15

Primary Technical Specialty Requirements

ACR 106 Basic Electricity for HVAC-R 4
ACR 108 Refrigeration Fundamentals 3
IMT 104 Schematics 2
IMT 124 Pumps 2
IMT 132 Hydraulics 2
IMT 133 Pneumatics 2
IMT 151 Piping Systems 3
IMT 161 Mechanical Power Applications 4
IMT 210 Basic Industrial Skills I 3

IMT 211 Basic Industrial Skills II 3
MTT 111 Machine Tool Theory and Practice I 5
WLD 111 Arc Welding I 4

Total: 37

Secondary Technical Specialty Requirements

MNT 001 Marine and Nautical Technology Non-Equiivalent *

*Students receive 12 hours of elective for marine and nautical technology course work transferred from another college for which there is no equivalent course at TTC.

Total: 12

Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.