2018-2019 TTC Catalog

General Technology - Machine Tool Technology

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Associate in Applied Science in General Technology

Machine Tool Technology Career Path

63 Credit Hours

The General Technology major allows students to select course work necessary to become multiskilled 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 program introduces students to workplace safety, blueprint reading, precision measuring, basic conventional machining and CNC operations, including set-up and programming. Students are prepared for entry-level employment in the metal- working industry.

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

General Education Core Requirements

ENG 101 English Composition I 3
SPC 205 Public Speaking 3
or
SPC 209 Interpersonal Communication 3

REQ HUM	Select from Humanities	3
REQ MAT	Select from Mathematics/ Natural Sciences	3
REQ SSC	Select from Behavioral/Social Sciences	3

Total: 15

First Year Experience Requirement

EGR 110 Introduction to Computer Environment 3
or
IDS 109 First Year Experience Seminar 3

Total: 3

Primary Technical Specialty Requirements

EGT 106 Print Reading and Sketching 3
IET 223 Industrial Safety 3
MTT 111 Machine Tool Theory and Practice I 5
MTT 112 Machine Tool Theory and Practice II 5
MTT 145 Machining of Metals 3
MTT 250 Principles of CNC 3
MTT 251 CNC Operations 3
MTT 253 CNC Programming and Operations 3

Total: 28

Secondary Technical Specialty Requirements

EGT 151 Introduction to CAD 3
EGT 152 Fundamentals of CAD 3
EGT 251 Principles of CAD 3
EGT 252 Advanced CAD 3

Additional Requirements

MGT 101 Principles of Management 3
or
QAT 101 Introduction to Quality Assurance 3
MTT 143 Precision Measurements 2

Total: 5

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.