2018-2019 TTC Catalog

General Technology - Engineering Design Graphics

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Associate in Applied Science in General Technology

Engineering Design Graphics Career Path

63 Credit Hours

This career path prepares students for employment in the broad field of drafting with opportunities in both government and industry. Training emphasizes the development of computer- aided design and drafting skills. Graduates typically obtain drafting and technical illustration jobs in the architectural, civil, construction, electrical, or mechanical field.

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

General Education Core Requirements

ECO 210 Macroeconomics 3
or
PSY 201 General Psychology 3
IDS 109 First Year Experience Seminar 3
MAT 170 Algebra, Geometry and Trigonometry I 3

REQ COM	Select from Communication	3
REQ HUM	Select from Humanities	3

Total: 15

Primary Technical Specialty Requirements

EGR 275 Introduction to Engineering/Computer Graphics 3
or
EGT 151 Introduction to CAD 3
EGT 115 Engineering Graphics II 4
EGT 130 Geometric Dimensioning and Tolerancing Applications 3
EGT 152 Fundamentals of CAD 3
EGT 220 Structural and Piping Application 4
EGT 251 Principles of CAD 3
EGT 252 Advanced CAD 3
EGT 258 Applications of CAD 3
EGT 265 CAD/CAM Applications 3

Total: 29

Secondary Technical Specialty Requirements

AET 111 Architectural Computer Graphics I 3
AET 221 Architectural Computer Graphics II 4
EGT 172 Electronic Drafting 2
EGT 270 Manufacturing Integration 4

Total: 13

Additional Requirements

CET 120 Construction Materials 3
EGT 257 Advanced Civil CAD 3

Total: 6

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.