Mechanical Engineering Technology

Associate in Applied Science
Credit Requirements: 70 Semester Credit Hours
Evening

The Mechanical Engineering Technology program prepares students for employment as engineering technicians with industry, consulting engineering firms, public utilities and governmental agencies. Graduates typically obtain jobs as heating, ventilation and air conditioning technicians, machine parts and marine drafters, engineering assistants, field engineer technicians, quality control technicians, mechanical design technicians, and product development technicians.

Recommended Sequence of Courses
First Semester – Fall

EGR 104	Engineering Technology Foundations	3
EGR 110	Introduction to Computer Environment	3
ENG 101	English Composition I	3
		Total 9

Second Semester – Spring

EET 113	Electrical Circuits I	4
MAT 110	College Algebra	3
PSY 201	General Psychology	3
		Total 10

Third Semester – Summer

*EGT 109	Introduction to Engineering Design Graphics	3
MAT 111	College Trigonometry	3
		Total 6

Fourth Semester – Fall

EGR 170	Engineering Materials	3
EGR 175	Manufacturing Processes	3
PHY 201	Physics I	4
		Total 10

Fifth Semester – Spring

EGT 130	Geometric Dimensioning and Tolerancing Applications	3
EGR 230	Measurement Principles	4
QAT 232	Statistical Quality Control	3
or		
QAT 240	Advanced Quality Concepts	3
		Total 10

Sixth Semester – Summer

ELE HUM	Select one course from Humanities Electives on page B-3	3
EGR 190	Statics	3
		Total 6

Seventh Semester – Fall

CET 210	Strength of Materials	3
MET 237	Fluids: Principles and Applications	4
SPC 205	Public Speaking	3
		Total 10

Eighth Semester – Spring

EGR 255	Engineering Technology Senior Systems Project	2
MET 213	Dynamics	3
MET 226	Applied Heat Principles	4
		Total 9

**Allowable alternate: EGR 275*

Architectural Design Graphics I

Certificate in Applied Science
Credit Requirements: 18 Semester Credit Hours

This certificate is designed for students with little or no drafting experience who want to move into architectural graphics. The certificate also includes a study of construction materials and architectural history.

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

Recommended Sequence of Courses
First Semester – Fall

CET 120	Construction Materials	3
EGT 109	Introduction to Engineering Design Graphics	3
		Total 6

Second Semester – Spring

AET 202	History of Architecture	3
EGT 151	Introduction to CAD	3
		Total 6

Third Semester – Summer

AET 110	Architectural Graphics I	3
EGT 152	Fundamentals of CAD	3
		Total 6