

Engineering Technology

Second Semester – Spring

EET 113	Electrical Circuits I	4
EET 145	Digital Circuits	4
EGR 230	Measurement Principles	4
MAT 111	College Trigonometry	3
		Total 15

Third Semester – Summer

*EGT 109	Introduction to Engineering Design	
	Graphics	3
PHY 201	Physics I	4
SPC 205	Public Speaking	3
REQ HUM	Select one course from Humanities listing on page B-3	3
		Total 13

Fourth Semester – Fall

EET 141	Electronic Circuits	4
EEM 251	Programmable Controllers	3
EGR 175	Manufacturing Processes	3
PSY 201	General Psychology	3
ELE EET	Select one course from the Electronics Engineering Technology Math/Science Electives	3-4
		Total 16-17

Fifth Semester – Spring

EEM 252	Programmable Controllers Applications	3
EET 241	Electronic Communications	4
EET 243	Data Communications	3
EGR 255	Engineering Technology Senior Systems Project	2
ELE EET	Select one course from Electronics Engineering Technology Technical Electives	2-4
		Total 14-16

Electronics Engineering Technology Electives

Technical Electives

EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3
EGT 151	Introduction to CAD	3
IMT 102	Industrial Safety	2

Math/Science Electives

CHM 110	College Chemistry I	4
MAT 120	Probability and Statistics	3
MAT 130	Elementary Calculus	3
MAT 140	Analytic Geometry and Calculus I	4
PHY 202	Physics II	4

*Allowable alternate: EGR 275

Electronics Engineering Technology

Associate in Applied Science

Credit Requirements: 70-73 Semester Credit Hours Evening

The Electronics Engineering Technology program prepares students for a broad range of jobs in the electrical and electronic fields. Graduates of the program may become employed as broadcast technicians, business machine technicians, customer service representatives, computer service technicians, engineering technicians, laboratory technicians, field engineering technicians, engineering aides, electrical sales technicians, technical writers and electrical instrument 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
EET 145	Digital Circuits	4
MAT 110	College Algebra	3
		Total 11

Third Semester – Summer

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

Fourth Semester – Fall

EGR 175	Manufacturing Processes	3
EET 141	Electronic Circuits	4
SPC 205	Public Speaking	3
		Total 10

Fifth Semester – Spring

EET 241	Electronic Communications	4
EET 243	Data Communications	3
ELE EET	Select one course from Electronics Engineering Technology Technical Electives	2-4
		Total 9-11

Sixth Semester – Summer

ELE EET	Select one course from Electronics Engineering Technology Math/Science Electives	3-4
REQ HUM	Select one course from Humanities listing on page B-3	3
Total		6-7

Seventh Semester – Fall

EEM 251	Programmable Controllers	3
PHY 201	Physics I	4
PSY 201	General Psychology	3
Total		10

Eighth Semester – Spring

EEM 252	Programmable Controllers Applications	3
EGR 230	Measurement Principles	4
EGR 255	Engineering Technology Senior Systems Project	2
Total		9

Electronics Engineering Technology Electives

Technical Electives

EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3
EGT 151	Introduction to CAD	3
IMT 102	Industrial Safety	2

Math/Science Electives

CHM 110	College Chemistry I	4
MAT 120	Probability and Statistics	3
MAT 130	Elementary Calculus	3
MAT 140	Analytic Geometry and Calculus I	4
PHY 202	Physics II	4

**Allowable alternate: EGR 275*

Mechanical Engineering Technology

Associate in Applied Science

Credit Requirements: 70 Semester Credit Hours Day/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
MAT 110	College Algebra	3
REQ HUM	Select one course from Humanities listing on page B-3	3
Total		15

Second Semester – Spring

EET 113	Electrical Circuits I	4
EGR 230	Measurement Principles	4
MAT 111	College Trigonometry	3
QAT 232	Statistical Quality Control	3
or		
QAT 240	Advanced Quality Concepts	3
Total		14

Third Semester – Summer

*EGT 109	Introduction to Engineering Design Graphics	3
PHY 201	Physics I	4
SPC 205	Public Speaking	3
EGR 190	Statics	3
Total		13

Fourth Semester – Fall

CET 210	Strength of Materials	3
EGR 170	Engineering Materials	3
EGR 175	Manufacturing Processes	3
MET 237	Fluids: Principles and Applications	4
PSY 201	General Psychology	3
Total		16

Fifth Semester – Spring

EGR 255	Engineering Technology Senior Systems Project	2
EGT 130	Geometric Dimensioning and Tolerancing Applications	3
MET 213	Dynamics	3
MET 226	Applied Heat Principles	4
Total		12

**Allowable alternate: EGR 275*