

Industrial Technology

Engineering Design Graphics Career Path

Credit Requirements: 70 Semester Credit Hours

Recommended Sequence of Courses

First Semester – Fall

EGR 275	Introduction to Engineering/Computer Graphics	3
or		
EGT 109	Introduction to Engineering Design Graphics	3
CET 120	Construction Materials	3
CPT 101	Introduction to Computers	3
REQ MAT	Select one math course from Mathematics/Natural Sciences listing on page B-4	3
		Total 12

Second Semester – Spring

*AET 202	History of Architecture	3
EGT 115	Engineering Graphics II	4
EGT 151	Introduction to CAD	3
PSY 201	General Psychology	3
or		
ECO 210	Macroeconomics	3
REQ COM	Select one course from Communication listing on page B-3	3
		Total 16

Third Semester – Summer

*AET 110	Architectural Graphics I	3
EGT 152	Fundamentals of CAD	3
EGT 210	Engineering Graphics III	4
EGT 220	Structural and Piping Application	4
		Total 14

Fourth Semester – Fall

*AET 111	Architectural Computer Graphics I	3
EGT 252	Advanced Computer Aided Design	3
EGT 257	Advanced Civil CAD	3
EGT 265	CAD/CAM Applications	3
REQ HUM	Select one course from Humanities listing on page B-3	3
		Total 15

Fifth Semester – Spring

*AET 120	Architectural Graphics II	3
*AET 221	Architectural Computer Graphics II	4
EGT 130	Geometric Dimensioning and Tolerancing Applications	3
EGT 251	Principles of CAD	3
		Total 13

**These courses may be substituted as a group for a different technical subject area of at least 12 semester credit hours, which must be approved by your advisor.*

Industrial Maintenance Mechanics Course Display

Credit Requirements: 64-65 Semester Credit Hours

Core Curriculum Requirements

CPT 101	Introduction to Computers	3
or		
EGR 110	Introduction to Computer Environment	3
ENG 101	English Composition I	3
REQ MAT	Select one math course from Mathematics/Natural Sciences listing on page B-4	3
SPC 205	Public Speaking	3
or		
SPC 209	Interpersonal Communication	3
REQ SSC	Select one course from Behavioral/Social Sciences listing on page B-4	3
REQ HUM	Select one course from Humanities listing on page B-3	3
		Total 18

Primary Path

EEM 117	AC/DC Circuits I	4
IMT 105	Mechanical Sketching	2
IMT 121	Drive Systems	2
IMT 124	Pumps	2
IMT 131	Hydraulics and Pneumatics	4
IMT 151	Piping Systems	3
IMT 160	Preventive Maintenance	3
IMT 163	Problem Solving for Mechanical Applications	3
IMT 210	Basic Industrial Skills I	3
IMT 211	Basic Industrial Skills II	3
		Total 29

Secondary Path

Select one group of courses from Secondary Path options, minimum of 12 credit hours:

Welding

WLD 111	Arc Welding I	4
WLD 118	Gas Metal Arc Welding Ferrous I	4
WLD 132	Inert Gas Welding Ferrous	4
		Total 12