

Fourth Semester – Fall

AET 111	Architectural Computer Graphics I	3
EGT 251	Principles of CAD	3
EGT 252	Advanced Computer Aided Design	3
EGT 257	Advanced Civil CAD	3
ELE MAT	Select one course from Mathematics Electives	3
		Total 15

Fifth Semester – Spring

*AET 120	Architectural Graphics II	3
*AET 221	Architectural Computer Graphics II	4
EGT 265	CAD/CAM Applications	3
EGT 130	Geometric Dimensioning and Tolerancing Applications	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: 64-66 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
ELE MAT	Select one course from Mathematics Electives	3
SPC 205	Public Speaking	3
or		
SPC 209	Interpersonal Communication	3
ELE SSC	Select one course from Behavior and Social Sciences Electives	3
ELE HUM	Select one course from Humanities Electives 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

Electrical and Automated Technology

EEM 118	AC/DC Circuits II	4
EEM 151	Motor Controls I	4
EEM 217	AC/DC Machines with Electrical Codes	4
		Total 12

Machine Tool

MTT 121	Machine Tool Theory I	3
MTT 122	Machine Tool Practice I	4
MTT 141	Metals and Heat Treatment	3
MTT 143	Precision Measurements	2
		Total 12

Additional Requirements

Select one group of courses from Additional Requirements (match to Secondary Path group), minimum of five credit hours:

Welding

WLD 110	Welding Safety and Health	1
WLD 141	Weld Quality	2
WLD 201	Welding Metallurgy	2
		Total 5

Electrical and Automated Technology

EEM 107	Industrial Computer Techniques	2
EEM 251	Programmable Controllers	3
		Total 5

Machine Tool Technology

MTT 123	Machine Tool Theory II	3
MTT 124	Machine Tool Practice II	4
		Total 7

Industrial Maintenance Mechanics Career Path

Credit Requirements: 64-66 Semester Credit Hours

Evening

Primary Path Only

See advisor for secondary path sequence and other required courses.