

Fifth Semester – Spring

EEM 252	Programmable Controllers Applications	3
IMT 163	Problem Solving for Mechanical Applications	3
ELE Oral	Select one course from Oral Communications Electives	3
		Total 9

Oral Communication Electives

ENG 260	Advanced Technical Communications	3
HSS 201	Issues in Humanities	3
SPC 205	Public Speaking	3
SPC 209	Interpersonal Communication	3
THE 101	Introduction to Theater	3

Electrician: Automation and Industrial Career Path Evening

Credit Requirements: 62 Semester Credit Hours

Recommended Sequence of Courses**First Semester – Spring**

EEM 117	AC/DC Circuits I	4
IMT 131	Basic Hydraulics and Pneumatics	4
		Total 8

Second Semester – Summer

EEM 107	Industrial Computer Techniques	2
EEM 118	Electrical Circuits II	4
		Total 6

Third Semester – Fall

EEM 217	AC/DC Machines with Electrical Codes	4
EEM 131	Solid State Devices	4
		Total 8

Fourth Semester – Spring

EEM 151	Motor Controls I	4
IMT 163	Problem Solving for Mechanical Applications	3
		Total 7

Fifth Semester – Summer

IMT 210	Basic Industrial Skills I	3
IMT 211	Basic Industrial Skills II	3
		Total 6

Sixth Semester – Fall

BCT 140	Commercial Wiring	3
EEM 251	Programmable Controllers	3
		Total 6

Seventh Semester – Spring

EEM 221	DC/AC Drives	3
EEM 252	Programmable Controller Applications	3
		Total 6

Eight Semester – Summer

ENG 101	English Composition I	3
ELE MAT	Select one course from Mathematics Electives on page B-3	3
		Total 6

Ninth Semester – Fall

ELE HUM	Humanities Elective	3
ELE SSC	Behavioral/Social Science Elective	3
ELE Oral	Select one course from Oral Communication Electives	3
		Total 9

Oral Communication Electives

ENG 260	Advanced Technical Communications	3
HSS 201	Issues in Humanities	3
SPC 205	Public Speaking	3
SPC 209	Interpersonal Communication	3
THE 101	Introduction to Theater	3

Electrician: Industrial and Construction Course Display

Credit Requirements: 62 Semester Credit Hours

Core Curriculum Requirements

ENG 101	English Composition I	3
ELE MAT	Select one course from Mathematics Electives on page B-3	3
ELE HUM	Select one course from Humanities Electives on page B-3	3
ELE Oral	Select one course from Oral Communications Electives	3
ELE SSC	Select one course from Behavioral and Social Sciences Electives on page B-3	3

Primary Path Requirements

EEM 107	Industrial Computer Techniques	2
EEM 117	AC/DC Circuits I	4
EEM 118	AC/DC Circuits II	4
EEM 131	Solid State Devices	4
EEM 151	Motor Controls I	4
EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3
EEM 251	Programmable Controllers	3

Secondary Path Requirements

BCT 140	Commercial Wiring	3
BCT 141	Fixtures and Installation	3
EEM 165	Residential/Commercial Wiring	4
IMT 210	Basic Industrial Skills I	3

Additional Requirements

EEM 140	National Electrical Code	3
IMT 211	Basic Industrial Skills II	3

Oral Communication Electives

ENG 260	Advanced Technical Communications	3
HSS 201	Issues in Humanities	3
SPC 205	Public Speaking	3
SPC 209	Interpersonal Communication	3
THE 101	Introduction to Theater	3

Electrician: Industrial and Construction Career Path Day

Credit Requirements: 62 Semester Credit Hours

Recommended Sequence of Courses

First Semester – Fall

BCT 140	Commercial Wiring	3
EEM 117	AC/DC Circuits I	4
EEM 165	Residential/Commercial Wiring	4
IMT 210	Basic Industrial Skills I	3

Total 14

Second Semester – Spring

EEM 118	AC/DC Circuits II	4
EEM 131	Solid State Devices	4
IMT 211	Basic Industrial Skills II	3
ELE MAT	Select one course from Mathematics Electives on page B-3	3

Total 14

Third Semester – Summer

BCT 141	Fixtures and Installation	3
EEM 107	Industrial Computer Techniques	2
EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3

Total 12

Fourth Semester – Fall

EEM 140	National Electrical Code	3
EEM 151	Motor Controls I	4
EEM 251	Programmable Controllers	3
ENG 101	English Composition I	3

Total 13

Fifth Semester – Spring

ELE HUM	Select one course from Humanities Electives on page B-3	3
ELE SSC	Select one course from Behavioral and Social Sciences Electives on page B-3	3
ELE Oral	Select one course from Oral Communication Electives	3

Total 9

Oral Communication Electives

ENG 260	Advanced Technical Communications	3
HSS 201	Issues in Humanities	3
SPC 205	Public Speaking	3
SPC 209	Interpersonal Communication	3
THE 101	Introduction to Theater	3

Electrician: Industrial and Construction Career Path Evening

Credit Requirements: 62 Semester Credit Hours

Recommended Sequence of Courses

First Semester – Spring

EEM 117	AC/DC Circuits I	4
EEM 165	Residential/Commercial Wiring	4

Total 8

Second Semester – Summer

EEM 107	Industrial Computer Techniques	2
EEM 118	AC/DC Circuits II	4

Total 6

Third Semester – Fall

EEM 131	Solid State Devices	4
EEM 217	AC/DC Machines with Electrical Codes	4

Total 8

Fourth Semester – Spring

BCT 141	Fixtures and Installation	3
EEM 151	Motor Controls I	4

Total 7

Fifth Semester – Summer

IMT 210	Basic Industrial Skills I	3
IMT 211	Basic Industrial Skills II	3

Total 6