

Electrical Technology

Student Name _____

Enrollment Date _____ Academic Year _____

Emplid _____ Scores: Math _____
 Reading _____
 Writing _____

Progression in the MIT: Electrical Technology program is contingent upon achievement of a grade of C or greater in each technical course (including those selected as technical electives) and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale).

CERTIFICATE – ELECTRICIAN TRAINEE LEVEL I: 8 Total Credit Hours

Required Scores: Algebra – 25 / Reading – NA / Writing – NA				Cr Hr	Grade
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
Technical Electives* (*see catalog for listing)			3		

CERTIFICATE – ELECTRICIAN TRAINEE LEVEL II: 13 Total Credit Hours

Required Scores: Algebra – 25 / Reading – NA / Writing – NA				Cr Hr	Grade
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
ELT 114 Circuits II	Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor		5		
Technical Electives* (*see catalog for listing)			3		

CERTIFICATE – RESIDENTIAL ELECTRICITY LEVEL I: 14 Total Credit Hours

Required Scores: Algebra – 25 / Reading – NA / Writing – NA				Cr Hr	Grade
EET 154 Electrical Construction I	Coreq: EET 155		2		
EET 155 Electrical Construction I Lab	Coreq: EET 154		2		
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
ELT 114 Circuits II	Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor		5		

CERTIFICATE – RESIDENTIAL ELECTRICITY LEVEL II: 23 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 74 / Writing – 49				Cr Hr	Grade
GEN 100 Introduction to College	No prerequisite		1		
EET 154 Electrical Construction I	Coreq: EET 155		2		
EET 155 Electrical Construction I Lab	Coreq: EET 154		2		
EET 252 Electrical Construction II	Prereq: EET 154 or Consent of Instructor		2		
EET 253 Electrical Construction II Lab	Coreq: EET 252		2		
EET 250 National Electrical Code	Prereq: ((EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and EET 255) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		4		
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
ELT 114 Circuits II	Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor		5		

CERTIFICATE – ELECTRICAL MOTOR CONTROL LEVEL I: 29 Total Credit Hours

Required Scores: Algebra – 35 / Reading – 85 / Writing – 49				Cr Hr	Grade
GEN 100 Introduction to College	No prerequisite		1		
CIS 100 Introduction to Computers (or CPU 150)	Prereq: Basic Keyboarding Skills		3		
EET 150 Transformers	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or Consent of Electrical Technology program advisor(s)		2		
EET 151 Transformers Lab	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or Consent of Electrical Technology program advisor(s)		1		
EET 264 Rotating Machinery	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
EET 265 Rotating Machinery Lab	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
EET 270 Electrical Motor Controls I	Prereq: ELT 110 or Consent of Instructor		2		
EET 271 Electrical Motor Controls I Lab	Prereq: EET 270		2		
EET 250 National Electrical Code	Prereq: ((EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and EET 255) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		4		
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
ELT 114 Circuits II	Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor		5		

CERTIFICATE – VOICE AND DATA WIRING INSTALLER LEVEL I: 15 Total Credit Hours

Required Scores: Pre-Algebra–NA/Reading–85/Writing–NA			Cr Hr	Grade
Computer Literacy	Rec. CIS 100		3	
EET 154 Electrical Construction I	Coreq: EET 155		2	
EET 155 Electrical Construction I Lab	Coreq: EET 154		2	
ETT 110 Voice & Data Installer Level I	Prereq: Basic physics/electricity courses are recommended but not required		4	
ETT 112 Basic Electrical Theory: Telenetworking	No prerequisite		3	
ETT 113 Basic Electrical Theory Lab	Coreq: EET 112		1	

CERTIFICATE – VOICE AND DATA WIRING INSTALLER LEVEL II: 14 Total Credit Hours

Required Scores: None			Cr Hr	Grade
EET 252 Electrical Construction II	Prereq: EET 154 or Consent of Instructor		2	
EET 253 Electrical Construction II Lab	Coreq: EET 252		2	
ETT 114 Voice & Data Installer Level II	Prereq: EET 110 with a grade of C or greater		4	
ETT 116 Fiber Optics Systems	Prereq: EET 110 or Consent of Instructor		3	
ETT 118 Residential Network Wiring	Prereq: EET 110 or Consent of Instructor		3	

CERTIFICATE – ELECTRICAL MOTOR CONTROL LEVEL II: 37 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 49				Cr Hr	Grade
GEN 100 Introduction to College	No prerequisite		1		
CIS 100 Introduction to Computers (or CPU 150)	Prereq: Basic Keyboarding Skills		3		
EET 150 Transformers	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or Consent of Electrical Technology program advisor(s)		2		
EET 151 Transformers Lab	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or Consent of Electrical Technology program advisor(s)		1		
EET 264 Rotating Machinery	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
EET 265 Rotating Machinery Lab	Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
EET 270 Electrical Motor Controls I	Prereq: ELT 110 or Consent of Instructor		2		
EET 271 Electrical Motor Controls I Lab	Prereq: EET 270		2		
EET 250 National Electrical Code	Prereq: ((EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and EET 255) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		4		
EET 272 Electrical Motor Controls II	Prereq: EET 270		2		
EET 273 Electrical Motor Controls II Lab	Prereq: EET 270		2		
EET 276 Programmable Logic Controllers	Prereq: ((ELT 110 and ELT 114 and EET 270 and EET 272) or EET 274) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
EET 277 Programmable Logic Controllers Lab	Prereq: ((ELT 110 and ELT 114 and EET 265 and EET 271 and EET 273) with a grade of C or greater) or consent of Electrical Technology program advisor(s)		2		
ELT 110 Circuits I	Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		5		
ELT 114 Circuits II	Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor		5		

DIPLOMA – ELECTRICAL TECHNOLOGY: 50-57 Total Credit Hours

Req'd Scores: Algebra–25 / Reading–85 / Writing–49 or 74	Cr Hr	Grade
General Education:		
Area 1 = Writing / Accessing Information, Heritage / Humanities / Foreign Languages, or Oral Communication <i>Rec. ENG 101 (if declaring AAS degree)</i>	3	
Area 2 = MAT 115 Technical Mathematics (or MAT 125 or higher level mathematics (excluding MAT 120))(sub MAT 110) <i>Prereq: MAT 65 or equivalent as determined by KCTCS placement examination</i>	3	
*Area 3 = Computer Literacy course or competency demonstrated by exam (if any student successfully tests out of Computer Literacy he/she must take an additional Technical Course approved by the Electrical Program Coordinator – credits in technical core) <i>(Rec. CIS 100)</i>	3	
Technical Core:		
GEN 100 Introduction to College <i>No prerequisite</i>	1	
EET 250 National Electrical Code <i>Prereq: ((EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and EET 255) with a grade of C or greater) or consent of Electrical Technology program advisor(s)</i>	4	
EET 264 Rotating Machinery <i>Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 265</i>	2	
EET 265 Rotating Machinery Lab <i>Prereq: ((ELT 110 and ELT 114) with a grade of C or greater) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 264</i>	2	
EET 270 Electrical Motor Controls I <i>Prereq: ELT 110 or Consent of Instructor</i> <i>Coreq: EET 271</i>	2	
EET 271 Electrical Motor Controls I Lab <i>Coreq: EET 270</i>	2	
ELT 110 Circuits I <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	
ELT 114 Circuits II <i>Prereq: (ELT 110 with a grade of C or greater) or Consent of Instructor</i>	5	

	Cr Hr	Grade
CONSTRUCTION ELECTRICIAN OPTION: 50 Total Credit Hours		
EET 154 Electrical Construction I <i>Coreq: EET 155</i>	2	
EET 155 Electrical Construction I Lab <i>Coreq: EET 154</i>	2	
EET 252 Electrical Construction II <i>Prereq: EET 154 or Consent of Instructor</i> <i>Coreq: EET 253</i>	2	
EET 253 Electrical Construction II Lab <i>Coreq: EET 252</i> <i>(or EET 254 and EET 255)</i>	2	
Technical Electives* (*see catalog for listing)	10	
INDUSTRIAL ELECTRICIAN OPTION: 57 Total Credit Hours		
EET 154 Electrical Construction I <i>Coreq: EET 155</i>	2	
EET 155 Electrical Construction I Lab <i>Coreq: EET 154</i>	2	
EET 252 Electrical Construction II <i>Prereq: EET 154 or Consent of Instructor</i> <i>Coreq: EET 253</i>	2	
EET 253 Electrical Construction II Lab <i>Coreq: EET 252</i> <i>(or EET 254 and EET 255)</i>	2	
EET 272 Electrical Motor Controls II <i>Prereq: EET 270</i> <i>Coreq: EET 273</i>	2	
EET 273 Electrical Motor Controls II Lab <i>Prereq: EET 270</i> <i>Coreq: EET 272</i>	2	
EET 276 Programmable Logic Controllers <i>Prereq: ((ELT 110 and ELT 114 and EET 270 and EET 272) or EET 274) with a grade of C or greater) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 277</i>	2	
EET 277 Programmable Logic Controllers Lab <i>Prereq: ((ELT 110 and ELT 114 and EET 265 and EET 271 and EET 273) with a grade of C or greater) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 276</i> <i>(or EET 278 and EET 279)</i>	2	
Technical Electives* (*see catalog for listing)	9	

GENERAL OCCUPATIONAL / TECHNICAL STUDIES AAS DEGREE: (ELECTRICAL TECHNOLOGY DIPLOMA (50-57 Hours) PLUS 9 additional credit hours in General Education): 59-66 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade
Heritage / Humanities / Foreign Languages (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i> <i>Note: Oral Communications does not fulfill this requirement</i>	(3)	
Science <i>Prereq: See Compass / ACT score requirement</i>	3	
Social Interaction <i>Prereq: See Compass / ACT score requirement</i>	3	
Writing / Accessing Information (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i> <i>Rec: ENG 101</i>	(3)	

Developmental Math	Cr Hr
MAT 55 – Pre-Algebra (<i>Compass score 24-41 in Pre-Algebra</i>)	3
MAT 65 – Basic Algebra (<i>Compass score 16-30 in Algebra</i>)	3
MAT 120 – Intermediate Algebra (<i>Compass score 31-35 in Algebra</i>)	3
MAT 100 – College Algebra Workshop (<i>Compass score 36-49 in Algebra / ACT 19-21 - enroll concurrent in College Algebra (MAT 150)</i>)	2
Developmental Writing	
ENC 90 – Foundations of College Writing I (<i>Compass score 26-38</i>)	3
ENC 91 – Foundations of College Writing II (<i>Compass score 39-73</i>)	3
Developmental Reading	
RDG 20 – Improved College Reading (<i>Compass score 49-69</i>)	3
RDG 30 – Reading for the College Classroom (<i>Compass score 70-82</i>)	3
RDG 41 – Reading Laboratory (<i>Compass score 83-84</i>)	1

Developmental Courses: Once students complete and pass a developmental course with a grade of 'C' or higher, they have the option of retesting or moving into the next level of developmental. Once students have completed and passed ALL levels of developmentals, they can be placed into General Education courses, including College Algebra, and are not required to retest.

I have reviewed this advising sheet with my advisor and understand course requirements and preferred sequence of courses necessary to complete a credential. Also, I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

Student: _____	Student: _____	Student: _____
Advisor: _____	Advisor: _____	Advisor: _____
Date: _____	Date: _____	Date: _____