## **Electrical Technology**

Student Name	
Enrollment Date	Academic Year
Emplid	Scores: Math
	Reading
	Writing

Progression in the 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 – 31 / Reading – NA / Writing – NA	Cr Hr	Grade
ELT 110 Circuits I	5	
Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		
Technical Electives* (*see catalog for listing)	3	
CERTIFICATE - ELECTRICIAN TRAINEE LEVEL II: 13 Total Credit Ho	ours	
Required Scores: Algebra – 31 / Reading – NA / Writing – NA	Cr Hr	Grade
ELT 110 Circuits I	5	
Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		
ELT 114 Circuits II	5	
Prereq: ELT 110 or Consent of Instructor		
Technical Electives* (*see catalog for listing)	3	
CERTIFICATE - RESIDENTIAL ELECTRICITY LEVEL 1: 14 Total Credi	+ Hours	

ш		Required Scores: Algebra – 31 / Reading – NA / Writing – NA	Cr Hr	Grade
Ī		EET 154 Electrical Construction I	2	
		Coreq: EET 155		
		EET 155 Electrical Construction I Lab	2	
		Coreq: EET 154		
		ELT 110 Circuits I	5	
		Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		
		ELT 114 Circuits II	5	
		Prereq: ELT 110 or Consent of Instructor		
(	CER	TIFICATE - RESIDENTIAL ELECTRICITY LEVEL II: 22 Total Credi	t Hours	3

CER	CERTIFICATE – RESIDENTIAL ELECTRICITY LEVEL II: 22 Total Credit Hours			3
	Required Scores: Algebra - 31 / Reading - 74 / Writing	g – 49	Cr Hr	Grade
	EET 154 Electrical Construction I		2	
	Coreq: EET 155	AND		
	EET 155 Electrical Construction I Lab		2	
	Coreq: EET 154	AND		
	EET 252 Electrical Construction II		2	
	Prereq: EET 154 or Consent of Instructor			
	<del></del>	AND		
	EET 253 Electrical Construction II Lab		2	
	Coreq: EET 252			
	(or EET 254 and EET 255)		_	
	EET 250 National Electrical Code		4	
	Prereg: (EET 154 and EET 155 and EET 252 and EET 253) or (EET 2	54 and		
	EET 255) or consent of Electrical Technology program advisor(s)		_	
	ELT 110 Circuits I		5	
	Prereq: (MAT 65 or equivalent placement level) or Consent of Instruct	or	_	
	ELT 114 Circuits II		5	
	Prereg: ELT 110 or Consent of Instructor			

### CERTIFICATE - ELECTRICAL MOTOR CONTROL LEVEL I: 28 Total Credit Hours

Required Scores: Algebra - 31 / Reading - 74 / Writing - 49 | Cr Hr Grade

1 0 0	_	
Digital Literacy	3	
Rec. CIT 105		
EET 150 Transformers	2	
Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program	l	
advisor(s)		
Coreq: EET 151 AND		
EET 151 Transformers Lab	1	
Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program		
advisor(s)		
Coreq: EET 150 AND	2	
EET 264 Rotating Machinery	2	
Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program		
advisor(s)		
Coreq: EET 265 AND	1	
EET 265 Rotating Machinery Lab	2	
Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program		
advisor(s)		
Coreq: EET 264 AND		
EET 270 Electrical Motor Controls I	2	
Prereq: ELT 110 or Consent of Instructor		
Coreq: EET 271 AND		
EET 271 Electrical Motor Controls I Lab	2	
Coreq: EET 270	-	
(or EET 266 and EET 267 and EET 268 and EET 269)		
EET 250 National Electrical Code	4	
Prereq: (EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and		
EET 255) or consent of Electrical Technology program advisor(s)		
ELT 110 Circuits I	5	
Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor		
ELT 114 Circuits II	5	
Prereg: ELT 110 or Consent of Instructor	1	
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# <u>CERTIFICATE – VOICE AND DATA WIRING INSTALLER LEVEL I</u>: 15 Total Credit Hours

	Required Scores: Pre-Algebra-NA/Reading-70/Writing-NA	Cr Hr	Grade
	Computer Literacy	3	
	Rec. CIT 105		
	EET 154 Electrical Construction I	2	
	Coreq: EET 155		
	EET 155 Electrical Construction I Lab	2	
	Coreq: EET 154		
	ETT 110 Voice & Data Installer Level I	4	
	Prereq: Basic physics/electricity courses are recommended but not required		
	ETT 112 Basic Electrical Theory: Telenetworking	3	
	No prerequisite		
	ETT 113 Basic Electrical Theory Lab	1	
	Coreq: ETT 112		
CE	RTIFICATE - VOICE AND DATA WIRING INSTALLER LEVEL II: 1/	Total (	radit

### <u>CERTIFICATE – VOICE AND DATA WIRING INSTALLER LEVEL II</u>: 14 Total Credit Hours

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

### CERTIFICATE - ELECTRICAL MOTOR CONTROL LEVEL II: 36 Total Credit Hours

	Required Scores: Algebra – 31 / Reading – 70 / Writing – 49	Cr Hr	Grade
	Digital Literacy	3	
	Rec. CIT 105		
	EET 150 Transformers	2	
	Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program		
	advisor(s)		
	Coreq: EET 151 AND		
	EET 151 Transformers Lab	1	
	Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program		
	advisor(s)		
	Coreq: EET 150 AND	2	
	EET 264 Rotating Machinery	_	
	Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program		
	advisor(s)		
1	Coreq: EET 265 AND	_	
	EET 265 Rotating Machinery Lab	2	
	Prereg: (ELT 110 and ELT 114) or consent of Electrical Technology program		
1	advisor(s) Corea: EET 264 AND		
		_	
	EET 270 Electrical Motor Controls I	2	
	Prereq: ELT 110 or Consent of Instructor		
	Coreq: EET 271 AND		
	EET 271 Electrical Motor Controls I Lab	2	
	Coreq: EET 270 (or EET 266 and EET 267 and EET 268 and EET 269)		
-	EET 250 National Electrical Code	4	
	Prereg: (EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and	4	
	EET 255) or consent of Electrical Technology program advisor(s)		
	EET 272 Electrical Motor Controls II	2	
	Prereg: EET 270		
	•		
	Coreq: EET 273 AND EET 273 Electrical Motor Controls II Lab	_	
1	Prereg: EET 270	2	
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	EET 276 Programmable Logic Controllers Prereg: (ELT 110 and ELT 114 and EET 270 and EET 272) or EET 274 or	2	
	consent of Electrical Technology program advisor(s)		
	Coreg: EET 277 AND		
	EET 277 Programmable Logic Controllers Lab		
	Prereg: (ELT 110 and ELT 114 and EET 265 and EET 271 and EET 273) or	2	
1	consent of Electrical Technology program advisor(s)		
1	Coreg: EET 276		
1	(or EET 278 and EET 279)		
	ELT 110 Circuits I	5	
	Prereg: (MAT 65 or equivalent placement level) or Consent of Instructor	•	
	ELT 114 Circuits II	5	
	Prereg: ELT 110 or Consent of Instructor		

### DIPLOMA - ELECTRICAL TECHNOLOGY: 49-56 Total Credit Hours

DIFLOMA - ELECTRICAL TECH		
Req'd Scores: Algebra-25 / Reading-85 / Writing-49 or 74	Cr Hr	Grade
General Education:		
Area 1 = Written Communication, Heritage / Humanities / Foreign Languages, or Oral Communications Rec. ENG 101 (if declaring AAS degree)	3	
Area 2 = MAT 116 Technical Mathematics (or MAT 125 or higher level mathematics) (sub MAT 110)  Prereq: MAT 65 or equivalent as determined by KCTCS placement examination	3	
Technical Core:		
Digital Literacy course or competency demonstrated by exam (if any student successfully tests out of Digital Literacy he/she must take an additional Technical Course approved by the Electrical Program Coordinator – credits in technical core) (Rec. CIT 105)	3	
EET 250 National Electrical Code  Prereq: (EET 154 and EET 155 and EET 252 and EET 253) or (EET 254 and EET 255) or consent of Electrical Technology program advisor(s)	4	
EET 264 Rotating Machinery  Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s)  Coreg: EET 265	2	
EET 265 Rotating Machinery Lab Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s) Corea: EET 264	2	
EET 270 Electrical Motor Controls I Prereq: ELT 110 or Consent of Instructor Coreq: EET 271	2	
EET 271 Electrical Motor Controls I Lab Coreq: EET 270	2	
ELT 110 Circuits I Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor	5	
ELT 114 Circuits II  Prereq: ELT 110 or Consent of Instructor	5	

	Cr Hr	Grade
CONSTRUCTION ELECTRICIAN TRACK: 49 Total Credit I	lours	
EET 154 Electrical Construction I	2	
Coreg: EET 155 AND		
EET 155 Electrical Construction I Lab	2	
Coreg: EET 154 AND		
EET 252 Electrical Construction II	2	
Prereq: EET 154 or Consent of Instructor		
Coreq: EET 253 AND		
EET 253 Electrical Construction II Lab	2	
Coreq: EET 252		
(or EET 254 and EET 255)		
Technical Electives* (*see catalog for listing)	10	
INDUSTRIAL ELECTRICIAN TRACK: 56 Total Credit Ho		
EET 154 Electrical Construction I	2	
Coreq: EET 155 AND		
EET 155 Electrical Construction I Lab	2	
Coreq: EET 154 AND		
EET 252 Electrical Construction II	2	
Prereq: EET 154 or Consent of Instructor		
Coreq: EET 253		
EET 253 Electrical Construction II Lab	2	
Coreq: EET 252		
(or EET 254 and EET 255)		
EET 272 Electrical Motor Controls II	2	
Prereq: EET 270 Corea: EET 273 AND		
EET 273 Electrical Motor Controls II Lab	_	
Prereq: EET 270	2	
Coreg: EET 272 AND		
EET 276 Programmable Logic Controllers		
Prereg: (ELT 110 and ELT 114 and EET 270 and EET 272) or EET 274 or	2	
consent of Electrical Technology program advisor(s)		
Coreq: EET 277 AND		
EET 277 Programmable Logic Controllers Lab	_	
Prereq: (ELT 110 and ELT 114 and EET 265 and EET 271 and EET 273) or	2	
consent of Electrical Technology program advisor(s)		
Coreq: EET 276		
(or EET 278 and EET 279)	-	
Technical Electives* (*see catalog for listing)	9	

GENERAL OCCUPATIONAL / TECHNICAL STUDIES AAS DEGREE: (ELECTRICAL TECHNOLOGY DIPLOMA (49-56 Hours) PLUS 2 hours in technical electives PLUS 9 additional credit hours in General Education): 60-67 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade
Technical Electives* (*see catalog for listing)	2	
Heritage / Humanities / Foreign Languages (if not taken for diploma) Prereq: See Compass / ACT score requirement Note: Oral Communications does not fulfill this requirement	(3)	
Natural Sciences (Prereq: See Compass / ACT score requirement)	3	
Social/Behavioral Sciences Prereq: See Compass / ACT score requirement	3	
Written Communication (if not taken for diploma) Prereq: See Compass / ACT score requirement Page: FIG(1)11	(3)	

**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.

Developmental Math		Cr Hr
MT 010 - KYAE Math (Compass score 0-23 in Pre-Algebra)		0
MT 50 – Developmental Math Workshop MAT 65 – Basic Algebra Compass score 24-41 in Pre-Algebra (or MAT 55)	AND	1-2 3
MAT 65 - Basic Algebra (Compass score 16-30 in Algebra)		3
MAT 85 – Intermediate Algebra (Compass score 31-35 in Algebra	ra)	3
MAT 100 – College Algebra Workshop Compass score 36-49 in Algebra / ACT 19-21 -enroll concurrent in Col. Algebra (MAT 150)	lege	2
Developmental Writing		
EN 010 - KYAE English(Compass score 26-38)		0
ENG 100 – English Workshop ENG 101 – Writing I Compass score 39-73 (or ENC 91)	AND	3
Developmental Reading		
- Dovoropinoma reading		0
RD 010 – KYAE Reading (Compass score 49-69)		_
	AND	2 3

**College Success Courses As Needed:** It is strongly recommended that students complete a college success course. If a student is advised into two or three developmental education courses, it is strongly recommended they enroll in the 3 credit hour college success course.

College Success Courses	Cr Hr
GEN 100 Introduction to College	1
No prerequisite	
GEN 102 Foundations of Learning No prerequisite	3

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:
Advisor:
Date: