

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 (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	
Technical Electives* (*see catalog for listing)	3	

CERTIFICATE – ELECTRICIAN TRAINEE LEVEL II: 13 Total Credit Hours

Required Scores: Algebra – 31 / Reading – NA / Writing – NA	Cr Hr	Grade
ELT 110 Circuits I (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	
ELT 114 Circuits II <i>Prereq: ELT 110 or Consent of Instructor</i>	5	
Technical Electives* (*see catalog for listing)	3	

CERTIFICATE – RESIDENTIAL ELECTRICITY LEVEL I: 14 Total Credit Hours

Required Scores: Algebra – 31 / Reading – NA / Writing – NA	Cr Hr	Grade
EET 154 Electrical Construction I <i>Coreq: EET 155</i>	2	
EET 155 Electrical Construction I Lab <i>Coreq: EET 154</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 or Consent of Instructor</i>	5	

CERTIFICATE – RESIDENTIAL ELECTRICITY LEVEL II: 22 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 74 / Writing – 49	Cr Hr	Grade
EET 154 Electrical Construction I <i>Coreq: EET 155</i>	2	
EET 155 Electrical Construction I Lab <i>Coreq: EET 154</i>	2	AND
EET 252 Electrical Construction II <i>Prereq: EET 154 or Consent of Instructor</i> <i>Coreq: EET 253</i>	2	AND
EET 253 Electrical Construction II Lab <i>Coreq: EET 252</i> <i>(or EET 254 and EET 255)</i>	2	AND
EET 250 National Electrical Code <i>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)</i>	4	
ELT 110 Circuits I (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	
ELT 114 Circuits II <i>Prereq: ELT 110 or Consent of Instructor</i>	5	

CERTIFICATE – ELECTRICAL MOTOR CONTROL LEVEL I: 23 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 74 / Writing – 49	Cr Hr	Grade
Digital Literacy If any student successfully tests out of Digital Literacy, he/she must take an additional technical course approved by the Electrical program coordinator Rec. CIT 105	3	
EET 150 Transformers <i>Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 151</i>	2	AND
EET 151 Transformers Lab <i>Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 150</i>	1	AND
EET 264 Rotating Machinery <i>Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 265</i>	2	AND
EET 265 Rotating Machinery Lab <i>Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 264</i>	2	AND
EET 270 Electrical Motor Controls I <i>Prereq: ELT 110 or Consent of Instructor</i> <i>Coreq: EET 271</i>	2	AND
EET 271 Electrical Motor Controls I Lab <i>Coreq: EET 270</i> <i>(or EET 266 and EET 267 and EET 268 and EET 269)</i>	2	
EET 250 National Electrical Code <i>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)</i>	4	
ELT 110 Circuits I (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	

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

Required Scores: Pre-Algebra–NA/Reading–70/Writing–NA	Cr Hr	Grade
Digital Literacy If any student successfully tests out of Digital Literacy, he/she must take an additional technical course approved by the Electrical program coordinator Rec. CIT 105	3	
EET 154 Electrical Construction I <i>Coreq: EET 155</i>	2	
EET 155 Electrical Construction I Lab <i>Coreq: EET 154</i>	2	
ETT 110 Voice & Data Installer Level I <i>Prereq: Basic physics/electricity courses are recommended but not required</i>	4	
ETT 112 Basic Electrical Theory: Telenetworking <i>No prerequisite</i>	3	
ETT 113 Basic Electrical Theory Lab <i>Coreq: ETT 112</i>	1	

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

Required Scores: None	Cr Hr	Grade
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>	2	
ETT 114 Voice & Data Installer Level II <i>Prereq: ETT 110</i>	4	
ETT 116 Fiber Optics Systems <i>Prereq: ETT 110 or Consent of Instructor</i>	3	
ETT 118 Residential Network Wiring <i>Prereq: ETT 110 or Consent of Instructor</i>	3	

CERTIFICATE – ELECTRICAL MOTOR CONTROL LEVEL II: 31 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 70 / Writing – 49	Cr Hr	Grade
Digital Literacy If any student successfully tests out of Digital Literacy, he/she must take an additional technical course approved by the Electrical program coordinator Rec. CIT 105	3	
EET 150 Transformers <i>Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 151</i>	2	AND
EET 151 Transformers Lab <i>Prereq: (ELT 110 and ELT 114) or Consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 150</i>	1	AND
EET 264 Rotating Machinery <i>Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 265</i>	2	AND
EET 265 Rotating Machinery Lab <i>Prereq: (ELT 110 and ELT 114) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 264</i>	2	AND
EET 270 Electrical Motor Controls I <i>Prereq: ELT 110 or Consent of Instructor</i> <i>Coreq: EET 271</i>	2	AND
EET 271 Electrical Motor Controls I Lab <i>Coreq: EET 270</i> <i>(or EET 266 and EET 267 and EET 268 and EET 269)</i>	2	
EET 250 National Electrical Code <i>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)</i>	4	
EET 272 Electrical Motor Controls II <i>Prereq: EET 270</i> <i>Coreq: EET 273</i>	2	AND
EET 273 Electrical Motor Controls II Lab <i>Prereq: EET 270</i> <i>Coreq: EET 272</i>	2	AND
EET 276 Programmable Logic Controllers <i>Prereq: (ELT 110 and ELT 114 and EET 270 and EET 272) or EET 274 or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 277</i>	2	AND
EET 277 Programmable Logic Controllers Lab <i>Prereq: (ELT 110 and ELT 114 and EET 265 and EET 271 and EET 273) or consent of Electrical Technology program advisor(s)</i> <i>Coreq: EET 276</i> <i>(or EET 278 and EET 279)</i>	2	
ELT 110 Circuits I (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	

DIPLOMA – ELECTRICAL TECHNOLOGY: 49-56 Total Credit Hours

Req'd Scores: Algebra–25 / Reading–85 / Writing–49 or 74	Cr Hr	Grade
General Education:		
Area 1 = Written Communication, Heritage / Humanities, or Oral Communications <i>Rec. ENG 101 (if declaring AAS degree)</i>	3	
Area 2 = MAT 116 Technical Mathematics (or MAT 125 or higher level mathematics) (sub MAT 110) <i>Prereq: MAT 65 or equivalent as determined by KCTCS placement examination</i>	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) <i>(Rec. CIT 105)</i>	3	
EET 127 Electrical Technology Capstone <i>Prereq: Consent of Instructor</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) or consent of Electrical Technology program advisor(s)</i>	4	
EET 264 Rotating Machinery <i>Prereq: (ELT 110 and ELT 114) 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) 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 (or EET 119) <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i>	5	
ELT 114 Circuits II <i>Prereq: ELT 110 or Consent of Instructor</i>	5	

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

GENERAL OCCUPATIONAL / TECHNICAL STUDIES AAS DEGREE: (ELECTRICAL TECHNOLOGY DIPLOMA (50-57 Hours) PLUS 2 hours in technical electives PLUS 9 additional credit hours in General Education): 61-68 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade
Technical Electives* (*see catalog for listing)	2	
Heritage / Humanities (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i> <i>Note: Oral Communications does not fulfill this requirement</i>	(3)	
Natural Sciences (<i>Prereq: See Compass / ACT score requirement</i>)	3	
Social / Behavioral Sciences <i>Prereq: See Compass / ACT score requirement</i>	3	
Written Communications (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i> <i>Rec: ENG101</i>	(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 (<i>Compass score 0-23 in Pre-Algebra</i>)	0
MT 50 – Developmental Math Workshop AND MAT 65 – Basic Algebra <i>Compass score 24-41 in Pre-Algebra</i> <i>(or MAT 55)</i>	1-2 3
MAT 65 – Basic Algebra (<i>Compass score 16-30 in Algebra</i>)	3
MAT 85 – 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	
EN 010 – KYAE English (<i>Compass score 26-38</i>)	0
ENG 100 – English Workshop AND ENG 101 – Writing I <i>Compass score 39-73</i> <i>(or ENC 91)</i>	2 3
Developmental Reading	
RD 010 – KYAE Reading (<i>Compass score 49-69</i>)	0
RDG 100 – Reading Workshop AND Pre-Selected General Education Course <i>Compass score 70-82</i> <i>(or RDG 30)</i>	2 3
RDG 41 – Reading Laboratory (<i>Compass score 83-84</i>)	1

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 <i>No prerequisite</i>	1
GEN 102 Foundations of Learning <i>No prerequisite</i>	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: _____