Engineering & Electronics Technology **Open Admissions**
Maysville Community & Technical College **Diplomas**

Program Coordinator: Robbie Graves **Email:** Robbie.Graves@kctcs.edu
Contact Information: 606/759-7141 ext. 66151 **Office:** Technical Bldg. T-108

Student Name_____**Student ID #**_____

[Academic Plan Code: 1500007019; Academic Program Code: ENTC]

General Education and Core classes are required with each option for the diploma. See various options below the core classes.

General Education

Written Communications 3 **OR** Oral Communications 3	**3**	
MAT 150 College Algebra 3 **OR** MAT 126 Technical Algebra & Trig (3)	**3**	
		Subtotal General Education: 6 Credit Hours

Core

ELT 110 Circuits I 5	**5**	
ELT 114 Circuits II 5	**5**	
ELT 210 Devices I 4	**4**	
ELT 120 Digital I 3	**3**	
CAD 100 Intro to CAD 3 **OR** Equivalent Course with Consent of Program Coordinator (3-4) Computer/Digital Literacy 3	**3-4**	
ELT 289 Engineering and Electronics Technology Capstone Course 1	**1**	
COED 198 Practicum 1-2 **OR** COE 199 Cooperative Education (1-2)**OR** Equivalent course with Consent of Program Coordinator (1-2)	**1-2**	
		Subtotal Core: 25-27 Credit Hours

DIPLOMA OPTIONS

Electronics-*[Sub Plan Code: 150004019; Academic Program Code: ENTC]*

ELT 214 Devices II 4	**4**	
ELT 220 Digital II 3	**3**	
Technical Electives* 13	**13**	
*Technical Electives: Any EET, ET, ELT, IMT, CIS, CIT, NIS, IT, ISM, CAD, ICT, MFG, or any course as approved by the program coordinator.		
		Subtotal: 20 Credit Hours
		Total: 51-53 Credit Hours

Industrial Electronics-*[Sub Plan Code: 150004079; Academic Program Code: ENTC]*

ELT 214 Devices II 4	**4**	
ELT 220 Digital II 3	**3**	
ELT 244 Electrical Machinery and Controls 4 **OR** EET 270 Electrical Motor Controls I (2) AND EET 271 Electrical Motor Control I Lab (2)	**4**	
ELT 250 Programmable Logic Controllers 4 **OR** EET 276 Programmable Logic Controllers (2) AND EET 277 Programmable Logic Controllers Lab (2)	**4**	

Technical Electives* 9	**9**	
*Technical Electives: Any EET, ET, ELT, IMT, CIS, CIT, NIS, IT, ISM, CAD, ICT, MFG, or any course as approved by the program coordinator.		
		Subtotal: 24 Credit Hours
		Total: 55-57 Credit Hours

Robotics and Automation- *[Sub Plan Code: 150004039; Academic Program Code: ENTC]*

ELT 118 Mfg. III: Computer Numeral Control 3 OR CMM 132 Cad/CAM/CNC (3)	**3**	
ELT 265 Applied Fluid Power 3	**3**	
ELT 260 Robotics and Industrial Automation 5	**5**	
ELT 244 Electrical Machinery and Controls 4 OR EET 270 Electrical Motor Controls I (2) AND EET 271 Electrical Motor Control I Lab (2)	**4**	
ELT 250 Programmable Logic Controllers 4 OR EET 276 Programmable Logic Controllers (2) AND EET 277 Programmable Logic Controllers Lab (2)	**4**	
Technical Electives* 5	**5**	
*Technical Electives: Any EET, ET, ELT, IMT, CIS, CIT, NIS, IT, ISM, CAD, ICT, MFG, or any course as approved by the program coordinator.		
		Subtotal: 24 Credit Hours
		Total: 55-57 Credit Hours

Notes:
1. Good keyboarding skills needed.
2. Computer/Digital Literacy requirement waived because of emphasis in computer skills. If no experience with Microsoft Office products, CIS 100 is suggested.
3. Before taking ELT 110/112, must have tested into or be enrolled in MAT 065 or equivalent placement level, OR consent of program coordinator.
4. ELT 110 not required for ELT 107
5. Certificates can be completed before degree. (See KCTCS 2012-2013 Catalog)
6. See COMPASS Placement Scores in Master Advising for placement into developmental courses

	Reading	Writing	Mathematics
ACT	17 or higher	17 or higher	17 or higher
COMPASS	78	57	42 (prealgebra domain)