

**Associate in Applied Science
Engineering and Electronics Technology
Robotics and Automation Track**



Name _____	Empl. ID# _____	Date Entered _____	Date Grad. _____
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DEVELOPMENTAL COURSES AS NEEDED		Notes
RDG 30 <i>OR</i> RDG 100		
ENC 91		
MAT 55		
MAT 65		
MAT 85 (if pursuing MAT 150)		

GENERAL EDUCATION COURSES	Credit	Res	Tr	Notes
MAT 150 College Algebra <i>OR</i> MAT 126 Technical Algebra and Trigonometry	3			
PHY 151 Introductory Physics I <i>OR</i> Other science with consent of program coordinator	3 (3)			
ENG 101 Writing I	3			
Social and Behavioral Science	3			
Oral Communication	3			
Heritage/Humanities	3			
GENERAL EDUCATION SUBTOTAL:	18			

TECHNICAL CORE REQUIREMENTS	Credit	Res	Tr	Notes
ELT 110 Circuits I	5			Prereq: MAT 65 or be concurrently enrolled in MAT 65 AND have scored COMPASS pre-algebra 42 or KMATH 12. Recommended first semester
ELT 114 Circuits II	5			Recommended first semester Prereq: ELT 110 with a grade of C or better or instructor consent
ELT 210 Devices I	4			Prereq: ELT 110 with a grade of C or better or instructor consent
ELT 120 Digital I	3			Prereq: MAT 65 or equivalent placement level or instructor consent
CAD 103 CAD Fundamentals <i>OR</i> CAD 100 Introduction to Computer Aided Design	4 (3)			Fulfills digital literacy requirement
Course chosen with consent of program coordinator	3			
ELT 289 Engineering and Electronics Technology Capstone Course	1			
TECHNICAL CORE SUBTOTAL	24-25			

ROBOTICS AND AUTOMATION TRACK	Credit	Res	Tr	Notes
FPX 100 Fluid Power <i>AND</i> FPX 101 Fluid Power Lab <i>OR</i> ELT 265 Applied Fluid Power	3 1 (3)			ECTC course substitution

IMT 200 Industrial Robotics and Robotics Maintenance OR	4			ECTC course substitution
ELT 260 Robotics and Industrial Automation	(5)			
EET 270 Electrical Motor Controls I AND	2			
EET 271 Electrical Motor Controls I Lab OR	2			
EET 276 Programmable Logic Controllers AND	(2)			
EET 277 Programmable Logic Controllers Lab OR	(2)			
ELT 244 Electrical Machinery and Controls OR	(4)			
ELT 250 Programmable Logic Controllers	(4)			
Technical Electives*	4			
TRACK COURSES SUBTOTAL	20-22			
PROGRAM TOTAL	62-64			

*Technical Electives: Any EET, ELT, IMT, CIT, ISM, CAD, ICT, MFG or other course as approved by the program coordinator.

Progression in the program is contingent upon achieving a grade of “C” or better in each technical course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

For a list of KCTC general education classes in each category, go to https://kctcs.edu/degrees_training/catalog/2018-2019-KCTCS-Catalog.pdf pp. 76-80.
Or www.kctcs.edu> degrees & training> 2018-19 catalog> pp. 76-80.

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