

**Associate in Applied Science  
Engineering and Electronics Technology  
Instrumentation Track**

Name _____	Empl. ID# _____	Date Entered _____	Date Grad. _____
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			
<b>GENERAL EDUCATION SUBTOTAL:</b>	<b>18</b>			

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. <b>Recommended first semester</b>
ELT 114 Circuits II	5			<b>Recommended first semester</b> 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			
<b>TECHNICAL CORE SUBTOTAL</b>	<b>24-25</b>			

INSTRUMENTATION TRACK	Credit	Res	Tr	Notes
ELT 220 Digital II	3			Prereq: ELT 120 with a grade of C or better or instructor consent
ISM 102 Fundamentals of Instrumentation	4			

ISM 210 Fundamentals of Process Control	4			
Technical Electives*	7			
<b>TRACK COURSES SUBTOTAL</b>	<b>18</b>			
<b>PROGRAM TOTAL</b>	<b>60-61</b>			

\*Technical Electives: Any EET, ET, ELT, IMT, CIS, NIS, IT, 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 [http:// https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog\\_for%20printer.pdf](http://https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf) > Academic Services section > pp. 72-76.

Or [www.kctcs.edu](http://www.kctcs.edu) > degrees training > catalog > Academic Services section > pp. 72-76.

*November 2017*