

# ELECTRONICS ENGINEERING TECHNOLOGY, A.A.S.

## Entry Time

Fall

## Award

Associate of Applied Science degree

2 years (5 terms including summer)

The Electronics Engineering Technology program balances theory and practical applications to help students design, test, analyze, operate and troubleshoot complex electronic systems. The program integrates LabVIEW®, a graphic-based programming language used by many of the major technology-based employers for data acquisition, process control and automated test instrumentation. Students can transfer more than 40 EET credit hours to UNI toward a B.S. in Electrical and Information Engineering Technology. The curriculum may also be modified to maximize credits transferable to BSEE and BSEET degree programs. EET graduates may also seek certification by the Electronics Technicians Association, International Inc.

## Career Opportunities

- field-service technician
- electronics design technician
- electronics test technician
- biomedical electronics technician
- avionics technician
- technical writer
- computer-integrated manufacturing technician
- advanced industrial manufacturing technician
- electronic systems repair technician
- computer repair technician
- controls technician
- security systems technician
- radio communications technician
- component test technician

## Degree Requirements

Term 1		
Fall		Credit Hours
ELT-279	Electronic Practices	4
ELT-345	Electric Circuits I	5
MAT-745	Technical Mathematics I	4
Communications Course <sup>1</sup>		3
Term Totals:		16
Term 2		
Spring		
ELT-514	Active Devices I	7

MAT-746	Technical Mathematics II	4
ELT-341	Electric Circuits II	5
Communications Course <sup>1</sup>		3
Term Totals:		19
Term 3		
Summer		
ELT-309 or EGT-420	Digital Circuits or PLTW - Digital Electronics	3
ELT-518	Active Devices II: Op Amps	3
ELT-299	Intro to LabView	3
Humanities or History/Culture Course ( <a href="https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/">https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/</a> )		3
Term Totals:		12
Term 4		
Fall		
ELT-618	Microprocessors I	5
PHY-230	Technical Physics I	3
ELT-350	Communications Systems I	7
PSY-111 or MGT-145	Intro to Psychology or Human Relations in Management	3
Term Totals:		18
Term 5		
Spring		
ELT-399	Communications Systems II	4
ELT-621	Microprocessors II	4
ELT-845	Design Projects	4
PHY-232	Technical Physics II	3
Term Totals:		15
Program Totals:		80

<sup>1</sup> Students planning to transfer to a four-year college or university should consider substituting some or all of the following courses into the EET curriculum:

ENG-105 Composition I **and**

ENG-108 Composition II: Technical Writing **or**

ENG-106 Composition II **for**

----- Communication electives

## Optional Courses

Code	Title	Credit Hours
EGT-410	PLTW - Principles of Engineering	3
ELT-924	Honors Project	1
ELT-928	Independent Study	1-3