

■ ELECTRONICS TECHNOLOGY (ETEK)

ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE

Knight Campus, Warwick

The Electronics program prepares students to become electronic technicians who work in the design, development and testing of electronic systems. The technical skills needed by scientists and engineers form the basic foundation for this program. Electronic technologists are uniquely qualified as valuable assets to an electronics company because they have not only a strong technical background, but considerable hands-on laboratory experience as well.

Graduates of this program have practical experience in problem solving, circuit analysis, circuit design concepts, and communications techniques. These skills prepare them for employment in electronics industries in areas of research and development, design, manufacturing, testing, quality assurance, customer service and sales support.

GENERAL EDUCATION REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<input type="checkbox"/> ENGL 2100*	Technical Writing*	3
<input type="checkbox"/> MATH 1700*	Algebra for Technology*	3
<input type="checkbox"/> MATH 1710	Trigonometry for Technology	3
<input type="checkbox"/> Liberal Arts electives:	Select 6 credits from: THEA, MUSC, CHIN, FREN, PORT, GERM, RUSN, JAPN, SPAN, ITAL, MATH (except 0500, 0600, 0700), ASTR, CHEM, OCEN, BIOL, GEOL, PHYS, ECON, PHIL, PSYC, GEO, POLS, SOCS, HIST	6
<input type="checkbox"/> PHYS 1050	Physics for Technology	4
<input type="checkbox"/> General Elective	Take any CCRI course	3
Total General Education Credits		22

* Placement test required

Tip:

Since several courses are required in all Engineering and Technology concentrations, students may transfer between concentrations more easily, without losing much educational time.

Full-Time Students should take courses in this sequence:

1st Semester: COMI 1100, ENGL 2100, ENGR 1020, ETEK 1030, MATH 1700

2nd Semester: ENGR 2320, ETEK 1060, 1120, MATH 1710, PHYS 1050

3rd Semester: ETEK 2220, 2280, General Elective, 2 Liberal Arts Electives

4th Semester: ENGR 2520, ETEK 2370, 2390, Select 2 from: CSCO 1850, 1860, ETEK 2210

Part-Time Students:

Should take a balance of General Education and Major requirements each semester

MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGR 1020	Introduction to Engineering and Technology	3
<input type="checkbox"/> ENGR 2320 P	Digital Electronics	4
<input type="checkbox"/> ENGR 2520 P	Microprocessors and Microcomputers	4
<input type="checkbox"/> ETEK 1030 P	Fundamentals of Circuit Analysis I	4
<input type="checkbox"/> ETEK 1060 P	Fundamentals of Circuit Analysis II	4
<input type="checkbox"/> ETEK 1120 P	Electronic Devices and Circuits I	4
<input type="checkbox"/> ETEK 2220 P	Electronic Devices and Circuits II	3
<input type="checkbox"/> ETEK 2280 P	Analog Communications	4
<input type="checkbox"/> ETEK 2370 P	Technical Project	2
<input type="checkbox"/> ETEK 2390 P	Industrial Electronics	4
<input type="checkbox"/> 2 Technical Electronics	Select 6-7 credits from: CSCO 1850, 1860, ETEK	6-7
Total Major Requirements Credits		42-43

Total Program Credits

64-65