

COMPUTER ENGINEERING TECHNOLOGY (CETC)

ASSOCIATE IN SCIENCE (A.S.) DEGREE
Knight Campus, Warwick

The Computer Engineering Technology program prepares students for entry-level positions in the computer industry. Computer engineering technicians assist engineers in the design, development, manufacture and testing of new computer-based products and systems. They are also employed to build, install, operate and maintain computer equipment.

Graduates of this program are proficient in problem-solving, fundamental circuit analysis, digital design concepts and basic computer and communications systems architecture. This background also prepares them for positions in design, sales support, research, development, manufacturing, technical support and field service.

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: COMP 2430, ETEK 2010, 2280, SPCH 1100, Social Science Elective
4th Semester: ENGR 2520, ETEK 2020, 2370, MATH 1510, Social Science Elective

GENERAL EDUCATION REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGL 2100* P	Technical Writing	3
<input type="checkbox"/> Social Science Electives	See pg. 17 for list of courses that meet this requirement	6
<input type="checkbox"/> MATH 1700*	Algebra for Technology	3
<input type="checkbox"/> MATH 1710* P	Trigonometry for Technology	3
<input type="checkbox"/> MATH 1510* P	Scientific Programming	3
<input type="checkbox"/> PHYS 1050 P	Physics for Technology I	4
<input type="checkbox"/> SPCH 1100	Oral Communications	3
Total General Education Credits		25

*Placement test required

MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGR 1020	Introduction to Engineering and Technology	3
<input type="checkbox"/> ENGR 2320	Digital Electronics	4
<input type="checkbox"/> ENGR 2520	Microprocessors and Microcomputers	4
<input type="checkbox"/> ETEK 1030 C	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 2010 P	Telecommunications I	4
<input type="checkbox"/> ETEK 2020 P	Telecommunications II	4
<input type="checkbox"/> ETEK 2280 P	Analog Communications	4
<input type="checkbox"/> ETEK 2370 P	Technical Project	2
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<input type="checkbox"/> COMP 2430	Operating Systems	4
Total Major Requirements Credits		44

Total Program Credits

69

Tips:

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

Consult with faculty advisor in selecting electives to determine transferability.

Part-Time Students:

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