

A.S. in Computer Engineering Technology

Program Description

The Associate of Science in Computer Engineering Technology (CET) degree provides education and skill development in hardware configuration, software development, programming applications and the interfacing of hardware and software systems. Students receive hands-on training on various computer systems, test equipment and software products.

Delivery Mode

Traditional (on campus)

Curriculum

Course	Credits
General Education Courses	26
<i>Building a Sense of Community</i> UNI 100 First-Year Seminar	1
<i>Composition</i> ENG 101 English Composition I	3
<i>Public Speaking</i> Any Public Speaking Course	3
<i>Mathematics and Quantitative Literacy</i> MAT 181 College Algebra*	3
<i>Technological Literacy</i> GET 130 Intro to Engineering Technology	3
<i>Natural Sciences</i> PHY 121 General Physics**	4
<i>General Education Options</i> <ul style="list-style-type: none"> • CSC 120 Problem Solving and Prog. Constr. • ENG 217 Scientific and Technical Writing • MAT 191 College Trigonometry* 	9
Professional Technical Core Courses	31
CET 235 Digital Electronic Design	4
CET 270 Intro to Microprocessor Design	4
CSC 124 Computer Programming I	3
CSC 265 Object-Oriented Programming	3
CSC 328 Data Structures	3

Department of Computer Science, Information Systems and Engineering Technology

Course	Credits
EET 110 Electric Circuits I	4
EET 160 Electric Circuits II	4
EET 215 Intro to Instrumentation	3
MAT 195 Discrete Math Structures	3
Free Electives	3
Total	60

* Students may take MAT 199 (Pre-Calculus) in lieu of MAT 181 and MAT 191 followed by MAT 281 (Calculus I) for a more rigorous math tract.

** Students planning to continue to the B.S. in Computer Engineering Technology program should take Calculus I and PHY 101 (College Physics) instead.

Program Note: Students must have a minimum 2.0 GPA to qualify for graduation.

Continuing Education

Graduates of the A.S.-CET program are eligible to enroll in the B.S.-CET program. All credits earned toward the A.S.-CET degree count toward the B.S.-CET degree. Students considering completion of a bachelor's degree in CET should select General Education credits that apply. Consult your adviser.