



College of Engineering

Bachelor of Science  
4-year program

**sound like you?**

**Be a Webmaster •**

**Become a software  
support specialist •**

**Run a network for a  
major company**

**did you know?**

The words “electronic mail” might sound modern, but were introduced 30 years ago. Queen Elizabeth of Britain sent her first e-mail in 1976.

## Computer Science and Engineering Technology at UT

The computer science and engineering technology (CSET) program is a hands-on education leading to careers in the planning, construction, troubleshooting, and management of hardware and software elements in data networks. Students also are prepared for careers in Web site design and development.

Graduates of UT’s computer science and engineering technology program qualify for registration as Professional Engineers after a period of professional engineering employment (eight years in Ohio) and completing the Fundamentals of Engineering (FE) Exam and the Professional Engineering (PE) Exam. In addition, graduates of the bachelor of science degree programs in engineering technology are eligible to pursue a master of science in engineering through the College of Engineering’s part-time, evening graduate program.

### What to expect when you graduate

CSET graduates are valuable additions to high-tech corporations that are developing, maintaining or marketing computer systems. According to the U.S. Bureau of Labor Statistics, the fastest growing occupation in the United States is computer support specialist/computer scientist; this includes CSET graduates. Demand for these professionals is expected to be one of the fastest growing through 2012.

Check out all our majors online @ [utoledo.edu/admission/majors.asp](http://utoledo.edu/admission/majors.asp)



THE UNIVERSITY OF  
**TOLEDO**  
1872

# COMPUTER SCIENCE AND ENGINEERING TECHNOLOGY

The College of Engineering is one of ten mandatory engineering co-op programs in the United States. Engineering Technology students may optionally participate in the co-op program. It also has one of the nations top 20 graduate engineering programs as ranked by the Princeton Review.

College of Engineering

Group campus tours are available Monday through Friday at 10:30 a.m. or 2:30 p.m., and on Saturday at 11:15 a.m., year round, with the exception of national holidays. Individual admission appointments are available by request. Individualized college or department visits are also available weekdays at 1:15 p.m. by appointment.

[utoledo.edu/admission/campusvisit](http://utoledo.edu/admission/campusvisit)  
800.5TOLEDO

## Sample Curriculum\*

### FIRST YEAR

#### Fall Semester

ENGT 1000 Intro to Engineering Tech	1
CSET 1100 Unix and C	3
ENGL 1110 English Composition I	3
PHIL 1010 Intro to Logic	3
EET 2420 Elect Instrumentation Lab	1
Social Science Elective	3
<b>Total</b>	<b>14 hrs.</b>

#### Spring Semester

CSET 1200 GUI Programming	3
EET 2210 Digital Logic Fundamentals	4
ENGL 2950 Sci & Tech Report Writing	3
PHYS 2010 Technical Physics I	4
EECS 1590 Discrete Structures	3
<b>Total</b>	<b>17 hrs.</b>

### SECOND YEAR

#### Fall Semester

PHYS 2020 Technical Physics II	4
MATH 2450 Technical Calculus I	4
EET 2230 Assembly Language Programming	4
Communications Elective	3
Social Science Elective	3
<b>Total</b>	<b>18 hrs.</b>

#### Spring Semester

ENGT 3050 Fundamentals of Electricity	4
MATH 2460 Technical Calculus II	4
CSET 2200 PC & Industrial Networks	4
EET 2410 Programmable Controllers	4
<b>Total</b>	<b>16 hrs.</b>

### THIRD YEAR

#### Fall Semester

ENGT 3010 Statistics & DOE	4
MATH 2890 Numerical Methods & Linear Alg	3
CSET 3150 Advanced Programming	4
CSET Elective	3
ENGT 2000 Professional Development	1
<b>Total</b>	<b>15 hrs.</b>

#### Spring Semester

EET 3350 Digital Systems Design	4
CSET 3600 Software Engineering & Human Interfacing	3
CSET 3300 Database Driven Web Sites	4
Natural Science Elective	4
<b>Total</b>	<b>15 hrs.</b>

### FOURTH YEAR

#### Fall Semester

CSET 4750 Comp Net & Data Comm	4
EET 4250 Microcomputer Architecture	4
CSET 4100 Server Side Programming	3
Multicultural Elective	3
Professional Development Elective	3
<b>Total</b>	<b>17 hrs.</b>

#### Spring Semester

ENGT 4050 Senior Tech. Capstone	3
CSET 4250 Comparative Prog Languages	3
CSET Elective	4
Hum/Multicultural Elective	3
Professional Development Elective	3
<b>Total</b>	<b>16 hrs.</b>

### For more information about Computer Science and Engineering Technology, contact:

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\*Sample curriculum is subject to change. Please consult the department for up-to-date information. For more detailed program requirements, visit [catalog.utoledo.edu](http://catalog.utoledo.edu).