



Get started on an
in-demand career.

COMPUTER SCIENCE

Associate of Applied Science

This major prepares individuals for technician positions involving installation, maintenance, repair and industrial application of computer-controlled systems. Students will also develop skills in the areas of software design, troubleshooting, hardware development and the interfacing of the computer to external devices.

JOB OPPORTUNITIES FOR GRADUATES

Students who get an associate's degree in computer science can become technicians who repair computers, ATMs, and other types of office machinery. Another two career paths for the holder of an associate's degree in computer science are to become a web developer or an entry level programmer. If the student goes and completes a bachelor's degree or an associate's degree plus various computer related industry certificates, in computer science, that student may become a network and computer system administrator, a computer network architect, a programmer, computer system analyst, a database administrator, and a software developer to name a few options.

Repair technicians need a basic knowledge of electronics and strong communication and customer service skills. These technicians frequently do work on-site and travel to customer locations for large or stationary equipment.

Web developers need knowledge of computer programming and graphic design. Developers take care of the performance, look, and capacity of their websites. Some developers are self-employed and the non-self-employed developers usually work in computer systems design and related services industry.

SALARY

For the associate of computer science degree holder the salary range is around \$32,000 - \$60,000 varying by region of the country. The holder of a bachelor's in computer science has a

salary range of about \$65,000 - \$90,000 by region and field mentioned above.

ACCREDITATION

Accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).



LOCATION

Toledo-area Campus

OTHER INFORMATION

Some of the popular courses in the Computer Science program are EET130, EET131, and EET208.

- EET130 is Computer Diagnosis and by the end of this course, students are able to plan out their home or basic business computer system. Students who do well in EET130 frequently study for and receive their CompTIA A+ industry certificate.
- EET131 is a course that is an extension of the EET130 course titled Advanced Computer Diagnosis. In EET131 students learn how to implement and utilize virtual machines and get exposed to remote access, data recovery and network monitoring.
- EET208 is UNIX concepts and this course is taught using a very popular electronic device called a Raspberry Pi. A Raspberry Pi is a credit card size single board computer that students can load Linux onto and create things like internet radios, Pi based Wi-Fi oscilloscopes, and Pi portable game consoles to name a few.

For more information, visit www.owens.edu or call:

Office of Admissions

Toledo-area Campus - (567) 661-7777
Findlay-area Campus - (567) 429-3509

School of Science, Technology, Engineering and Mathematics

(567) 661-7457



OWENS
COMMUNITY COLLEGE

Program Curriculum

COMPUTER SCIENCE

Associate of Applied Science

REQUIRED COURSES

The Age of Coursework for EET 118, EET 119, EET 130, EET 131, EET 175, EET 208, EET 218, EET 221, and EET 222 is 5 years - chair approval required for courses beyond that. Please refer to College Policy, Chapter 2 - Academic, 3358:11-2-22 Age of Coursework Policy.

High school and adult career-technical students who successfully complete specified technical programs are eligible to have technical credit transfer. For more information on career-technical course work that students can complete for transfer, visit The University System of Ohio Board of Regents, Career-Technical Credit Transfer (CT)2 website or contact your advisor.

1ST SEMESTER

EET 101	Circuit Analysis I	Credits: 4(Lec: 3 Lab: 3)
EET 119	VB Programming	Credits: 3(Lec: 2 Lab: 3)
ENG 111	Composition I*	Credits: 3(Lec: 3)
MTH 170	College Algebra*	Credits: 4(Lec: 4)
STM 105	Technology in Society	Credits: 2(Lec: 2)

2ND SEMESTER

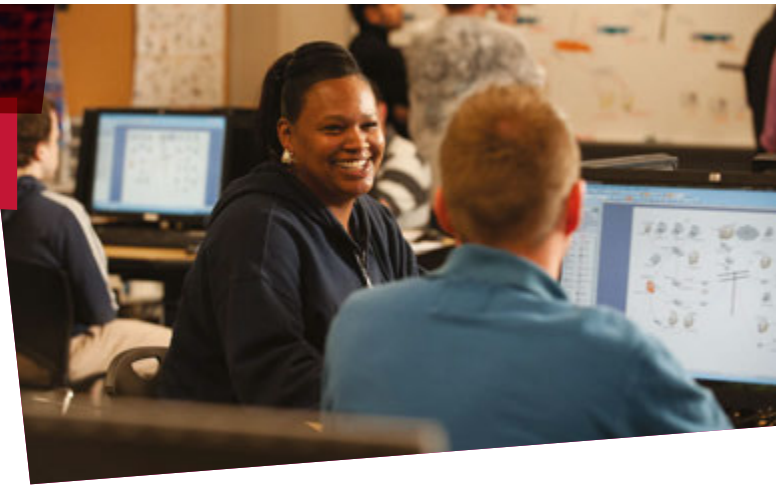
MTH 122	Math for Computing	Credits: 4(Lec: 4)
PHY 151	Industrial Physics-Mechanics	Credits: 2(Lec: 2)
PHY 152	Industrial Physics-Ht Li Sound	Credits: 2(Lec: 2)
EET 118	C Programming	Credits: 3(Lec: 2 Lab: 3)
EET 130	Computer Diagnosis	Credits: 3(Lec: 2 Lab: 3)

3RD SEMESTER

EET 201	Digital Circuits	Credits: 4(Lec: 3 Lab: 3)
EET 218	Java Programming	Credits: 3(Lec: 2 Lab: 3)
EET 221	Common Gateway Interface	Credits: 3(Lec: 2 Lab: 3)
EET 222	Network Securities	Credits: 3(Lec: 2 Lab: 3)
EET 131	Advanced Computer Diagnosis	Credits: 3(Lec: 2 Lab: 3)

4TH SEMESTER

EET 205	Advanced Digital Circuits	Credits: 4(Lec: 3 Lab: 3)
EET 208	UNIX Concepts	Credits: 3(Lec: 2 Lab: 3)
PSY 111	Indust/Organization Psych	Credits: 3(Lec: 3)
SPE 101	Public Speaking	Credits: 3(Lec: 3)
EET 175	Network Operating Systems	Credits: 3(Lec: 2 Lab: 3)
IST 126	Introduction to X/HTML	Credits: 2(Lec: 2)



*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at www.ohiohighered.org/transfer/transfermodule

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