

COMPUTER SCIENCE (CSC)

CSC-110 Computers and Computing (3 credits)

This is an introduction to the fundamental ideas of computers and their implementation: office applications (word processor, spread sheet, presentation and database), elementary website design, blogging, Internet use for research (hardware, software, early pioneers of the computing industry, common terminology, etc.) and some elementary programming. Instructors may include other appropriate topics. Both Windows and MAC OS will be utilized. (Not open to those with credit in CSC 151.)

Course Types: Technological Competency

CSC-120 Computers & Electronic Health Records (3 credits)

This is an introduction to the fundamental ideas of computers and their role in society. Students learn of the historical origins of computers, the development of computers since WWII, their uses and impact in society, emerging technologies, and the implementation of computers: operating systems, software applications, the Internet, and an introduction to some elementary programming: e.g., HTML, SQL (Databases and Electronic Health Records), advanced spreadsheet formulas. Electronic medical records (EMRs) are a digital version of the paper charts in the clinician's office. Electronic Health Records (EHRs) focus on the total health of the patient by focusing a broader view of all aspects of a patient's care. This course has a great deal of emphasis on databases including practical hands-on experience using (EMR/EHR) software.

Prerequisite(s): Take MAT-101 or achieve a placement test score indicating mastery of the MAT-101 material.

CSC-149 Robotics (3 credits)

Prerequisite(s): Take MAT-101 or achieve a placement test score indicating mastery of the MAT-101 material.

CSC-151 Introduction to Programming I (3 credits)

This is an introduction to computer programming using a modern language: program structure, procedures, functions, loops, if-then-else, arrays and records.

Prerequisite(s): Take MAT-101 or achieve a placement test score indicating mastery of the MAT-101 material.

CSC-152 Introduction to Programming II (3 credits)

Prerequisite(s): Take CSC-151

CSC-201 Computers: What Are They Doing to My Life (3 credits)

We cannot put them down. They ensnare our attention. They gather data about us. Computers, be they desktop, tablets, laptops or smartphones, are with us at nearly all times. But do we reflect on their impact? This course explores both how computers shape ourselves and society and the effective use of computers. Topics include social media, the impact of computers on many aspects of our lives (such as our work-life balance, our family life, healthcare and education), the history of computing, basic computer terminology, and the effective use of common productivity software. The focus of the course is on the life impact of computers, both in the population and personally.

Course Types: Foundational Gen Ed; Mathematics; Technological Competency

CSC-289 Special Topics (3 credits)

Course Types: Technological Competency; Themed

CSC-389 Special Topics (3 credits)

This course presents an opportunity to study a selected topic in computer science. Topics originate with faculty or students