

## **CSIT 101**

### **Technology and Information Systems**

3 Credits

## Community College of Baltimore County Common Course Outline

### **Description**

**CSIT 101 – Technology and Information Systems:** introduces emerging computer hardware, software and processes. Students explore the ethical and global impact of technological integration in various segments of society.

**Pre-requisites:** ACLT 052 or (ESOL 052 and ESOL 054)

**Co-requisites:** MATH 082 or with the consent of the program director.

### **Overall Course Objectives**

Upon completion of this course, students will be able to:

1. find, evaluate, use, and cite academic resources to research and communicate information needed for technology topics;
2. identify risks, threats, vulnerabilities of technology, and their mitigating solutions;
3. define digital privacy and the consequences of privacy violations;
4. demonstrate utilization of cloud computing;
5. present information in a variety of formats including word processing, presentation software, and spreadsheets;
6. assess how database software relates to retrieving, sorting, and analyzing data and information;
7. define fundamental network, hardware, software, and internet concepts;
8. describe the impact of social media on society;
9. demonstrate file management strategies;
10. differentiate between ethical and unethical practices in the digital world;
11. identify global technology issues including initiatives to mitigate the digital divide and promote sustainability; and
12. describe the impact of emerging technology on society.

### **Major Topics**

- I. Digital resource evaluation
- II. Cybersecurity
  - a. Information systems
  - b. Risks, threats, and vulnerabilities
  - c. Individual digital privacy
- III. Online communication and collaboration

The Common Course Outline (CCO) determines the essential nature of each course.  
For more information, see your professor's syllabus.

- a. Cloud computing
  - b. Synchronous
  - c. Asynchronous
  - d. Social Media
  - e. Teamwork skills
- IV. Data integration and information presentation
- a. Word processing software
  - b. Spreadsheet software
  - c. Presentation software
  - d. Database software
- V. Data communication
- a. Networks
  - b. Internet
  - c. World Wide Web
- VI. Mobile Technologies
- a. Communication tools
  - b. Convergence
  - c. Ubiquitous computing
- VII. Digital Literacy
- a. Hardware
  - b. Operating Systems
  - c. File Management
- VIII. Computer Ethics and Law
- a. Netiquette
  - b. Piracy
  - c. Copyright
  - d. Fair Use
- IX. Globalization and Sustainability
- a. Language technologies
  - b. Digital Divide
  - c. eCommerce
  - d. Green Computing
  - e. eWaste
- X. Emerging Technology

### **Course Requirements**

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- One collaborative project
- One term project with a written component to measure the General Education program outcomes
- Midterm exam
- Final exam

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Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

**Other Course Information**

This course is an approved 3–credit General Education course in Information Technology. One or more assignments will infuse CCBC General Education Program outcomes and will account for a minimum of 10% of the total course grade. The assignment(s) will allow students to demonstrate at least 5 of the 7 General Education program outcomes. This course is taught in a computer lab. Students seeking basic computer skills should consider a non-credit course before enrolling in CSIT 101.

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