

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.

Date Revised: 2/2/2021