

CIST 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: ESOL 052 and ESOL 100

Co-requisites: (ACLT 053 and MATH 082) or 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 both locally and remotely;
10. differentiate between ethical and unethical practices in the digital world;
11. identify global technology issues;
12. describe the impact of emerging technology on society;
13. map relationships using mind mapping software; and
14. explain the fundamental concepts and applications of artificial intelligence.

Major Topics

- I. Digital Communication
- II. Hardware and Networking
- III. The Web and The Cloud
- IV. Software and Business Applications
- V. Digital Literacy
- VI. Cybersecurity

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

- VII. Social and Digital Media
- VIII. Digital Ethics
- IX. Emerging Technology and Artificial Intelligence
- X. Databases

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
- Ten assessments, which may include, but are not limited to:
 - Exams
 - Projects
 - Presentations

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 General Education program outcomes. Students seeking basic computer skills should consider a non-credit course before enrolling in CSIT 101.

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