



Syllabus

CSC 103 Computing Sciences Portal

General Information

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Department Computing Sciences

Course Prefix CSC

Course Number 103

Course Title Computing Sciences Portal

Course Information

Catalog Description This course is designed to establish a core knowledge base for all Computing Sciences students. Foundational computing science topics are covered and include word processing, spreadsheet management, web design, operating system file management, number systems, algorithm development, and career planning and advising. Students are also introduced to the concept of ethics in the computer science industry.

Credit Hours 3

Lecture Contact Hours 3

Lab Contact Hours 0

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

None

Co-requisites

None

First Year Experience/Capstone Designation

This course is designated as satisfying the outcomes applicable for status as a

First Year Experience

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed categories

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Vitality, Inquiry, Perseverance, and Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Utilize foundational Computing Sciences technical material and skills, such as number systems, computer architecture, networking, and web development.
2. Identify and apply program design techniques to the problem-solving process.
3. Create written documents using set standards for technical writing.
4. Identify and explore educational and career opportunities in the field of Computing Sciences.

Outline of Topics Covered

- History of Computing
- Number Systems
 - Binary
 - Hexadecimal
- Technical Writing
- Computational Thinking (as a foundation for programming)
 - Problem-solving
 - Flowcharts
 - Pseudocode
- Website Design and Development
 - HTML
 - CSS
- Advising and Registration
- Careers
- Ethics
- Hardware and Operating Systems
 - Windows

- Linux
- Game Design
- Networking & Cybersecurity
- Word Processing
- Spreadsheets
- Database Design and Use