



NIAGARA COUNTY COMMUNITY COLLEGE

Computer Science, A.S.

Overview

Computer Science is the broad study of problem solving and computing. At NCCC, we use a hands-on approach to teach programming, but computer scientists are much more than just programmers. Students will work independently and in teams to develop creative and systematic approaches to problem solving.

Designed for transfer into a 4-year institution.

Careers

Careers related to your program of study:

- Applications Programmer
- Computer Engineer
- Database Administrator
- Operations Research Analyst
- System/Security Administrator
- Systems Architect
- Systems Software Developer

Some careers may require more specialized education.

Contact

Program Coordinator

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Division

Business, Technology and the Arts

716-614-6460

Visit full catalog for specific course offerings for each semester:

www.niagaracc.suny.edu/programs/comp

Program Requirements

First Semester	Credits
CIS 119 - Introduction to Computer Systems	3
CPS 120 - Computer Science I	4
ENG 101 - Writing I	3
MAT 120 - Calculus and Analytic Geometry I	4
_____ - General Education Elective (AH, FL, H, OW, SS)	3
Total Credit Hours:	17 Cr.

Second Semester

CPS 130 - Computer Science II	4
ENG 102 - Writing II & Introduction to Literature OR	
ENG 103 - Writing for STEM	3
MAT 121 - Calculus and Analytic Geometry II	4
_____ - General Education Elective (AH, FL, H, OW, SS)	3
_____ - Physical Education Elective	2
Total Credit Hours:	16 Cr.

Third Semester

CPS 247 - Computer Organization & Architecture	5
MAT 230 - Discrete Mathematics	4
_____ - General Education Elective (Natural Science)	4
SPE 101 - Speech Communication OR	
SPE 102 - Public Speaking OR	
SPE 103 - Interpersonal Communication	3
Total Credit Hours:	16 Cr.

Fourth Semester

ART 100 - Exploring the Arts 3 Cr. (also available as MUS 100 or THA 100) OR	
ART 137 - Ancient to Gothic Art OR	
ART 138 - 14th to 19th Century Art	3
CPS 250 - Data Structures	4
_____ - General Education Elective (Natural Science)	4
_____ - CIS/CPS 200-level Elective OR	
MAT 255 - Linear Algebra	3
Total Credit Hours:	14 Cr.

The information provided is subject to change throughout the academic year.