

# COMPUTER SCIENCE (BS)

## General Undergraduate Admission Requirements

All applicants must meet the general admission requirements for Concordia University Chicago undergraduate programs as published in the Concordia University Chicago academic catalog (<http://catalog.cuchicago.edu/graduate/graduate-admission-student-services/>).

New students are accepted into undergraduate degree-seeking programs for online (ADP) and on-campus (Traditional) study in the fall and spring semesters. If you have any questions please work with your admissions advisors.

## BS Computer Science Major Requirements

Code	Title	Hours
<b>Required Courses</b>		<b>26</b>
CSC-2100	Discrete Structures	
CSC-2410	Computer Science I	
CSC-2411	Applied Programming Techniques in Computer Science I	
CSC-2510	Computer Science II	
CSC-2710	Computer Organization and Architecture	
CSC-3420	Data Structures and Algorithms	
CSC-3421	Applied Programming Techniques in Data Structures and Algorithms	
CSC-3440	Computer Networking and Communication	
CSC-3460	Software Engineering I	
CSC-4450	Operating Systems	
<b>Required Support Courses</b>		
MAT-2500	Calculus I	4
MAT-2600	Calculus II	4
PHY-2121	Elementary Physics I	4
PHY-2122	Elementary Physics II	4
<b>Electives</b>		
Select nine hours from the following:		9
CSC-2620	Database Systems & Design	
CSC-3210	Object-Oriented and Database Programming Practicum	
CSC-3410	Concepts of Programming Languages	
CSC-3422	Data Structures with Data Science II	
CSC-3424	Data Structures with Data Science III	
CSC-3430	Advanced Object-Oriented Programming	
CSC-3450	Website Design and Development	
CSC-4430	Mobile Application Development	
CSC-4460	Software Engineering II	
CSC-4730	ACCA - Seminar in Computer Science	
CSC-4910	Topics in Computer Science	
CSC-4920 or CSC-4991	Capstone in Computer Science Internship	3
<b>Total Hours</b>		<b>54</b>

## Graduation Requirements

Students in the College of Health, Science and Technology or The College of Theology, Arts and Humanities must meet all University requirements found in the Academic Information section of this catalog. Specific requirements for these Colleges include the following:

- A minimum cumulative GPA of 2.00 for all coursework completed at CUC
- A minimum GPA of 2.00 for all courses taken in the major at CUC
- A minimum grade of C for all courses taken in a major at CUC
- The Department of Natural Sciences requires a minimum grade of C for courses within the major that are not pre-requisites for other courses. For courses that are pre-requisites, the C minimum remains unless superseded by admission grade requirements for specific programs, e.g., nursing at Oak Point (formerly Resurrection) University, microscopy at Hooke College, medicine/dentistry/ pharmacy at LECOM, etc.).
- The following courses may not be taken on the Pass/Fail grade option:

Code	Title	Hours
ENG-0100	College Writing	3
ENG-1100	English Composition	3
ENG-2000	Writing About Literature	3
MAT-0100	Fundamentals of Math	3
MAT-0110	Advanced Intermediate Algebra	3
Any course in a major at CUC		