

# COMPUTER INFORMATION SYSTEMS (BA)

## 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.

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.

## BA Computer Information Systems Major Requirements

Code	Title	Hours
<b>Required Courses</b>		
MAT-2000 or CSC-2100	Statistics Discrete Structures	3
CSC-2410	Computer Science I	3
CSC-2411	Applied Programming Techniques in Computer Science I	1
CIS-1450	Elements and Practices of Web Design	3
CIS-2430	Electronic Business	3
CSC-2510	Computer Science II	3
CSC-2620	Database Systems & Design	3
CSC-3460	Software Engineering I	3
CIS-4400	Management Information Systems	3
<b>Electives</b>		
Select one of the following:		3
MGT-2001	Leadership Centered Management	
MKT-2101	21st Century Concepts of Marketing	
ECO-2400	Foundations of Economics	
Select six hours from the following:		6
CSC-2100	Discrete Structures (if not taken above)	
CSC-2710	Computer Organization and Architecture	
CSC-3210	Object-Oriented and Database Programming Practicum	
CSC-3410	Concepts of Programming Languages	
CSC-3420	Data Structures and Algorithms	
CSC-3422	Data Structures with Data Science II	
CSC-3421	Applied Programming Techniques in Data Structures and Algorithms	
CSC-3424	Data Structures with Data Science III	
CSC-3430	Advanced Object-Oriented Programming	
CSC-3440	Computer Networking and Communication	
CSC-3450	Website Design and Development	
CSC-3460	Software Engineering I	
CSC-4430	Mobile Application Development	
CSC-4450	Operating Systems	
CSC-4460	Software Engineering II	

CIS-4720	ACCA - CIS	
CSC-4910	Topics in Computer Science	
Select one of the following:		3
CIS-4990	Internship: Computer Information Systems	
CIS-4900	Project Management and Practice	
<b>Total Hours</b>		<b>37</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
- Payments of all tuition and fees due to Concordia University Chicago. All holds must be removed to receive transcripts and diploma.
- The Division of Natural Sciences requires a minimum grade of D- 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., 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
Any course in a major at CUC		
MAT-1010	Advanced Intermediate Algebra	3