COMPUTER SCIENCE + HISTORY (BS)

The Computer Science + History (BS) is a multidisciplinary degree that enables students to combine training in computer science with the analytical and writing skills of history to become software developers with writing expertise and a liberal arts orientation.

Program Requirements	Quarter Hours
Liberal Studies	72
CS ICRS	48
HST ICRS	44
Open Electives	28
Total hours required	**192**

- Model a computational problem, select appropriate algorithms and data structures for a solution, justify the correctness of the algorithm, and implement an application solving the problem.
- Analyze and select an algorithm based on system effects.
- Analyze the efficiency of a computational solution mathematically, and validate the analysis experimentally.
- Criticize a program on the basis of its maintainability and suggest improvements.
- Identify, analyze, evaluate, and synthesize primary and secondary source evidence.
- Analyze an event, source, idea or person within its historical context.
- Conduct research independently using primary and secondary source evidence.
- Express knowledge and reason effectively in writing.

Liberal Studies Requirements

Honors program requirements can be found in the individual Colleges & Schools section of the University Catalog. Select the appropriate college or school, followed by Undergraduate Academics and scroll down.

First Year Program		Hours
Chicago Quarter		
LSP 110 or LSP 111	DISCOVER CHICAGO or EXPLORE CHICAGO	4
Focal Point		
LSP 112	FOCAL POINT SEMINAR	4
Writing		
WRD 103	COMPOSITION AND RHETORIC I [1]	4
WRD 104	COMPOSITION AND RHETORIC II [1]	4
Quantitative Reasoning		
Not Required		
Sophomore Year		
Race, Power, and Resistance		
LSP 200	SEMINAR ON RACE, POWER, AND RESISTANCE	4
Junior Year		
Experiential Learning		
Required		4
Senior Year		
Capstone		
Required [1]		4

[1] Students must earn a C- or better in this course.

Learning Domains

Arts and Literature (AL) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/arts-and-literature/)

- 3 Courses Required

Historical Inquiry (HI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/historical-inquiry/)

- Not Required

Math and Computing (MC) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/math-and-computing/)

- Not Required

Philosophical Inquiry (PI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/philosophical-inquiry/)

- 2 Courses Required

Religious Dimensions (RD) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/religious-dimensions/)

- 2 Courses Required

Scientific Inquiry (SI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/scientific-inquiry/)

- 1 Course Required
  [1 Lab Course]

Social, Cultural, and Behavioral Inquiry (SCBI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/social-cultural-and-behavioral-inquiry/)

- 3 Course Required

Course	Title	Quarter Hours
The Modern Language Requirement (MLR)		
All students will be required to demonstrate competence in a modern language (i.e., a language other than English) equivalent to the proficiency attained from one year of college-level language study. This Modern Language Requirement (MLR) may be demonstrated by:		
placing into 104 or above on the DePaul language placement exam		
completing the last course or earning AP or BI credit for the last course in the first-year collegel sequence of any language (e.g., 103 for DePaul language classes)		
completing a college course or earning AP or IB credit for a college course beyond the first-year level in any language (e.g., 104 or above for DePaul language classes)		

	completing the final course of a four-year sequence of the same modern language in high school *	
	completing a proctored exam by BYU and passing the exam (see the Department of Modern Languages website for registeration details)	
	completing a proctored Written Proficiency Test (WPT) by Language Testing International (LTI) and achieving a score of Beginner High or above (see the Department of Modern Languages website for registration details)	
*Students are strongly encouraged to take the DePaul language placement exam even if they have met the MLR via study of a language in high school. This will ensure continuation of language at the proper level.		
Please note: Modern Languages courses with an E-designation are taught in English and may not be applied to the Modern Langague Requirement.		
Students who complete an Inter-College Transfer (ICT) to the College will abide by the MLR in place on the effective date of the ICT, regarless of when they first matriculated at DePaul.		
MAJOR REQUIREMENTS (CS ICRS)		
MAT 140	DISCRETE MATHEMATICS I	4
MAT 141	DISCRETE MATHEMATICS II	4
CSC 241	INTRODUCTION TO COMPUTER SCIENCE I [1]	4
CSC 242	INTRODUCTION TO COMPUTER SCIENCE II [1]	4
CSC 300	DATA STRUCTURES I	4
CSC 301	DATA STRUCTURES II	4
CSC 321	DESIGN AND ANALYSIS OF ALGORITHMS	4
CSC 373	COMPUTER SYSTEMS I	4
CSC 374	COMPUTER SYSTEMS II	4
One course from the following		4
CSC 347	CONCEPTS OF PROGRAMMING LANGUAGES	
CSC 376	DISTRIBUTED SYSTEMS	
SE 350	OBJECT-ORIENTED SOFTWARE DEVELOPMENT	
Eight (8) additional credit hours, can be any 300-level CSC, CSEC, DSC or SE		8
MAJOR REQUIREMENTS (HST ICRS)		
Three 100/200 level HST courses (HON 102 also satsfies this requirement)		12
Five 300-level HST courses		20
One HST course or SOC 279 or similar statistics course		4
HST 298	INTRODUCTION TO HISTORICAL SOURCES AND METHODS	4
HST 299	CRAFT OF HISTORY	4
Senior Capstone options - choose one course from the following:		
HST 390	CAPSTONE IN HISTORICAL RESEARCH AND WRITING [2]	4
or CSC 394	SOFTWARE PROJECTS	

Note: CSC 243 Python for Programmers and a CS elective can take the place of CSC 241 & CSC 242

[1] CSC 243 Python for Programmers and a CS elective can take the place of CSC 241 & CSC 242

[2] If HST 390, one of the required 300-level HST courses must be a "Gateway" course [determined annually by the History Department].

Open Electives

Open elective credits are also required to meet the minimum graduation requirement of 192 quarter-credit hours.