COMPUTER SCIENCE + WRITING AND RHETORIC (BS)

The Computer Science + Writing and Rhetoric (BS) is a multidisciplinary degree that enables students to combine training in computer science with writing and rhetoric to become:

- Software developers with value-added capacity to write persuasively and precisely across a range of genres and contexts
- Writers who understand and contribute to technological applications, and who can communicate complex systems in accessible ways

A Computer Science + Writing and Rhetoric (BS) graduate will be ideally suited for many positions in writing and computer science. A richly interdisciplinary field drawing on humanistic and social science methodologies, rhetoric and writing studies will complement technical training in Computer Science with the capacity to assess and communicate in writing the ethical, cultural, and political affordances and constraints of social computing. With the ongoing intersection of social behaviors and computational systems, professionals with theoretical and practical capacity in both computer science and rhetoric and writing are well positioned to keep pace with technical developments in both computing and society.

Program Requirements	Quarter Hours
Liberal Studies Requirements	72
CS ICRS Requirements	48
W&R ICRS Requirements	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.
- Describe concepts, theories, and historical periods related to writing, rhetoric, and literacies.
- Compose audience-centered texts in a variety of public and professional genres.
- Design persuasive multimodal texts.
- Assess the ethical, cultural, or political dimensions of rhetoric, language, or writing technologies.

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 [1]		4
Senior Year		
Capstone		
Required [2]		4

[1] All Writing and Rhetoric including CS + W&R majors are required to take one EL-designated course within the major. WRD courses designated both EL and LSP EL will fulfill the major's EL requirement and the Liberal Studies Experiential Learning requirement simultaneously. An LSP EL course taken outside of WRD will not count toward the EL major requirement.

[2] 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/)
- 2 Course 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 Lab Course Required

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

• 1 Course Required

Course	Title	Quarter Hours
Modern Language Requirement		

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 college 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 registration 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, regardless 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	4
CSC 242	INTRODUCTION TO COMPUTER SCIENCE II	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 (W&R ICRS)		
Foundations Core		
WRD 203	STYLE FOR WRITERS	4
WRD 210	CULTURAL RHETORICS	4
WRD 261	DIGITAL CULTURE	4
WRD 264	LANGUAGE, SELF AND SOCIETY	4
Applications Core		
WRD 201	DIGITAL WRITING	4
WRD 204	TECHNICAL WRITING	4
Writing in Communities and Professions		*4*
Select one of the following:		
WRD 205	HISTORY OF LITERACIES AND WRITING	
WRD 206	PROFESSIONAL WRITING	
WRD 240	ARGUMENTATIVE WRITING	
WRD 241	THE ESSAY FROM PRINT TO NEW MEDIA	
WRD 242	WRITING WITH AI	
WRD 280	WRITING IN THE SCIENCES	
WRD 282	ETHICS OF PUBLIC AND PROFESSIONAL WRITING	
WRD 283	ENVIRONMENTAL WRITING	
WRD 284	SPORTS WRITING IN AMERICA: MYTHS, MEMORIES, HEROES AND VILLAINS	
WRD 286	WRITING WITH PHOTOGRAPHS	
WRD 300	COMPOSITION AND STYLE	
WRD 301	WORKPLACE WRITING: THEORY AND PRACTICE	
WRD 309	TOPICS IN WRITING, RHETORIC AND DISCOURSE	
WRD 320	TOPICS IN PROFESSIONAL WRITING *	
WRD 321	WRITING IN THE LEGAL PROFESSION	
WRD 322	WRITING AND METADATA	
WRD 323	EDITING	
WRD 324	WRITING FOR PUBLIC HEALTH AND HEALTH CARE	
WRD 325	RHETORIC IN CRISIS CONTEXTS	
WRD 326	GRANT AND PROPOSAL WRITING	
WRD 327	CONTENT WRITING	
WRD 340	WRITING AND REVISING	
WRD 345	GHOSTWRITING	
WRD 371	MENTORING YOUTH IN COMMUNITY WRITING GROUPS	
WRD 372	DIGITAL STORYTELLING	
WRD 376	FIELDWORK IN ARTS WRITING	
WRD 377	WRITING AND SOCIAL ENGAGEMENT	
WRD 395	WRITING CENTER THEORY & PEDAGOGY	
WRD 396	WRITING FELLOWS THEORY AND PRACTICE	
*May be repeated for credit when the topic is different		
Rhetorical History, Theory, and Analysis		*4*
Select one of the following:		
WRD 208	INTRODUCTION TO REASONED DISCOURSE	

WRD 209	GENRE AND DISCOURSE	
WRD 220	HOW LANGUAGE WORKS	
WRD 231	GOOGLING GOD: RELIGIOUS PRACTICES IN DIGITAL CULTURE	
WRD 232	THE LANGUAGE OF DISABILITY	
WRD 260	RHETORICAL ANALYSIS	
WRD 262	THE RHETORIC OF EVERYDAY TEXTS	
WRD 263	READING BETWEEN THE GROOVES: THE RHETORICAL POWER OF POPULAR MUSIC	
WRD 265	SOCIAL MOVEMENT, SOCIAL MEDIA, AND AMERICAN IDENTITIES	
WRD 266	LEVELING UP: THE SOCIAL RHETORIC OF VIDEO GAMES	
WRD 281	WRITING CENSORSHIP	
WRD 285	TRUTH IN DISGUISE: THE RHETORIC OF SATIRE	
WRD 287	THE COMIC BOOK AS VISUAL ARGUMENT	
WRD 288	RHETORIC AND POPULAR CULTURE	
WRD 289	WRITING ABOUT RIGHTS	
WRD 306	RHETORICAL TRADITIONS	
WRD 330	LANGUAGE AND LINGUISTICS	
WRD 360	TOPICS IN RHETORIC	
WRD 361	TOPICS IN ALTERNATIVE RHETORICS	
WRD 362	SEMIOTICS	
WRD 363	VISUAL RHETORIC	
WRD 364	CHICAGO WOMEN RHETORS	
WRD 365	MIGRATION & STORYTELLING	
WRD 368	GLOBAL ENGLISHES	
WRD 378	TEACHING ENGLISH AS A SECOND LANGUAGE IN CHICAGO	
WRD 390	RHETORIC AND PUBLIC WRITING	
Major Field Electives		*12*
The equivalent of three additional 4-hour electives may be drawn from the two elective categories above or from the following:		
WRD 207	INTRODUCTION TO WRITING AND RHETORIC	
WRD 290	WRITER'S TOOLS WORKSHOP	
WRD 291	THE SCIENTIFIC RESEARCH POSTER	
WRD 398	INTERNSHIP	
WRD 399	INDEPENDENT STUDY	

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

Experiential Learning (EL) Requirement

All Writing and Rhetoric majors are required to take one EL-designated course within the major. WRD courses designated both EL and LSP EL will fulfill the major's EL requirement and the Liberal Studies Experiential Learning requirement simultaneously. An LSP EL course taken outside of WRD will not count toward the EL major requirement.

Senior Capstone Options

Students in the CS+W&R BS program have a choice of two Senior Capstone options, each of which is a course that fulfills the Liberal Studies Senior Capstone requirement.

Course	Title	Quarter Hours
One course from the following		4
CSC 394	SOFTWARE PROJECTS	
WRD 390	RHETORIC AND PUBLIC WRITING	

Open Electives

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