

Computer Science and Theatre, BS

The computer science and theatre combined major is ideal for creative students who love technology as a means to expand what is possible in the performing arts. This major combines a strong foundation in computing with the opportunity to acquire a deep knowledge of theatre through curriculum that spans design, performance, and the production of innovative forms of theatre, including interactive media, computer graphics, human-computer interaction, and more.

It offers both classroom and experiential learning on the creative, social, and technological relationship between theatre and computing.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

University-Wide Requirements

All undergraduate students are required to complete the University-Wide Requirements (<http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

NUPath Requirements

All undergraduate students are required to complete the NUPath Requirements (<http://catalog.northeastern.edu/undergraduate/university-academics/nupath/>).

Computer Science Requirements

Code	Title	Hours
Required Courses		
CS 1200	First Year Seminar	1
CS 1210	Professional Development for Khoury Co-op	1
CS 1800 and CS 1802	Discrete Structures and Seminar for CS 1800	5
CS 2500 and CS 2501	Fundamentals of Computer Science 1 and Lab for CS 2500	5
CS 2510 and CS 2511	Fundamentals of Computer Science 2 and Lab for CS 2510	5
CS 3000	Algorithms and Data	4
CS 3200	Database Design	4
CS 3500 and CS 3501	Object-Oriented Design and Lab for CS 3500	5
CS 4500 or CS 4530	Software Development Fundamentals of Software Engineering	4
CS 4550	Web Development	4
IS 4300	Human Computer Interaction	4

Khoury Elective Courses

Complete 8 credits of CS, CY, DS, or IS classes that are not already required. Choose courses within the following ranges:

CS 2500 or higher, except CS 5010

CY 2000 or higher, except CY 4930

DS 2500 or higher, except DS 4900

IS 2000 or higher, except IS 4900

Theatre Requirements

Code	Title	Hours
Theatre		
A grade of C or higher is required for all theatre courses.		
Foundational Stages		
THTR 1101	Introduction to Theatre	4
THTR 1120	Acting 1	4
THTR 1131	Technical Theatre 1	4
THTR 1270	Introduction to Theatrical Design	4
THTR 2325	From Script to Stage	4
Theatre Texts and Context		
Complete two of the following:		8
THTR 1220	Race, Power, and Performance	
THTR 2300	Classics of Global Theatre	
THTR 2315	Rebels of Modern Drama	
THTR 2320	Classics of 20th-Century American Drama	
THTR 2500	Breaking the Glass Ceiling: Women in Theatre	
THTR 3200	Queer Theatre and Performance	
Making Theatre		
THTR 1100	Production Experience 1	1
THTR 2000	Production Experience 2	1
THTR 4702	Capstone Rehearsal and Performance	4
Intermediate or Advanced Technique		
Complete one of the following:		4
THTR 2300	Classics of Global Theatre	
THTR 2310	History of Musical Theatre	
THTR 2315	Rebels of Modern Drama	
THTR 2330	Playwriting	
THTR 2335	Boston Theatre Experience	
THTR 2340	Theatre and Society	
THTR 2342	Acting 2	
THTR 2345	Acting for the Camera	
THTR 2346	Viewpoints	
THTR 2380	Costume Design	
THTR 2400	Scenic Design	
THTR 3100	Creative Storytelling for Social Engagement	
THTR 3200	Queer Theatre and Performance	
THTR 3300	Devised Theatre Project: Collaborative Performance	
THTR 3400	Designing Combat for the Stage	
THTR 3450	Acting 3	
THTR 3550	Directing for the Stage	
THTR 3570	Musical Theatre Performance 2	

Integrative Requirement

Code	Title	Hours
THTR 2370	Lighting Design	4

Supporting Courses

Code	Title	Hours
Mathematics		
MATH 1341	Calculus 1 for Science and Engineering	4
Computing and Social Issues		
Complete one of the following:		4
AFAM 2600	Issues in Race, Science, and Technology	
CY 4170	The Law, Ethics, and Policy of Data and Digital Technologies	
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
ENGL 2150	Literature and Digital Diversity	
HIST 2220	History of Technology	
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks	
IS 1300	Knowledge in a Digital World	
or PHIL 1300	Knowledge in a Digital World	
PHIL 1145	Technology and Human Values	
SOCL 1280	The Twenty-First-Century Workplace	
SOCL 2485	Environment, Technology, and Society	
SOCL 4528	Computers and Society	

Computer Science Writing Requirement

Code	Title	Hours
College Writing		
ENGW 1111	First-Year Writing	4
Advanced Writing in the Disciplines		
ENGW 3302	Advanced Writing in the Technical Professions	4
or ENGW 3315	Interdisciplinary Advanced Writing in the Disciplines	

Required General Electives

Code	Title	Hours
Complete 28 credits of general electives.		28

Computer Science and Theatre Combined Major Credit Requirement

A minimum of 89 semester hours is required in the major.

Combined Major GPA Requirement

Minimum 2.000 GPA in all CS, CY, DS, IS courses

Program Requirement

133 semester hours required

Plan of Study

Sample Pattern, Four Years, Two Co-ops in Spring/Summer 1

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200	1	CS 2510 and CS 2511	5	CS 3500 and CS 3501	5	Vacation	0
CS 1800 and CS 1802	5	CS 3200	4	MATH 1341	4		
CS 2500 and CS 2501	5	THTR 1131	4				

THTR 1101	4	ENGW 1111	4		
THTR 1120	4				
		19	17	9	0
Year 2					
Fall	Hours	Spring	Hours	Summer 1	Hours
CS 1210	1	Co-op		Co-op	Elective
CS 3000	4				Elective
Khoury elective (1/2)	4				
THTR 1270	4				
THTR 1100	1				
Elective	4				
		18	0	0	8
Year 3					
Fall	Hours	Spring	Hours	Summer 1	Hours
CS 4550	4	Co-op		Co-op	ENGW 3302
Khoury elective (2/2)	4				Elective
THTR 2325	4				
Texts and contexts (1/2)	4				
THTR 2000	1				
		17	0	0	8
Year 4					
Fall	Hours	Spring	Hours	Summer 1	Hours
CS 4500 or 4530	4	THTR 4702	4	Elective	4
IS 4300	4	Computing and social issues	4	Elective	4
Intermediate/advanced technique	4	Elective	4		
Texts and contexts (2/2)	4	Integrative requirement	4		
		16	16	8	0

Total Hours: 136