

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

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

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.

Universitywide Requirements

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

NUpath Requirements

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

Computer Science Requirements

Code	Title	Hours
Computer Science Overview		
Must be taken in alignment with your home college:		
CS 1200 or THTR 1000	First Year Seminar Theatre at Northeastern	1
CS 1210 or EEAM 2000	Professional Development for Khoury Co-op Professional Development for Co-op	1
Computer Science Fundamental Courses		
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
Computer Science Required Courses		
CS 3000	Algorithms and Data	4
CS 3200	Introduction to Databases	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 semester hours of CS, CY, DS, or IS classes that are not already required. Choose courses within the following ranges:		8

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 THTR and INAM courses.		
Foundational Courses		
INAM 2000	Ethics in Creativity	4
THTR 1101	Introduction to Theatre	4
THTR 1120	Acting 1	4
THTR 1131	Introduction to Technical Theatre	4
THTR 1270	Introduction to Theatrical Design	4
THTR 3325	Dramaturgical Inquiry	4
Making Theatre		
THTR 1100	Production Experience 1	1
THTR 2000	Production Experience 2	1
Texts, Community, & Social Context		
Complete one of the following:		4
INAM 1300 and INAM 1301	The Politics of Narrative in Theatre and The Politics of Narrative in Theatre Seminar	
THTR 1215	Activism and Performance	
THTR 1220	Race, Power, and Performance	
THTR 1400	Documentary Theatre Project	
THTR 2200	The American Black Theatre Experience	
THTR 2340	Theatre and Society	
THTR 2500	Breaking the Glass Ceiling: Women in Theatre	
THTR 2983	Topics in Theatre History and Culture	
THTR 3100	Creative Storytelling for Social Engagement	
THTR 3200	Queer Theatre and Performance	
THTR 3650	Performing Theory	
Electives		
Complete two of the following:		8
THTR 2200	The American Black Theatre Experience	
THTR 2310	History of Musical Theatre	
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 2385	Fashion Construction and Pattern Making	
THTR 2400	Scenic Design	
THTR 2500	Breaking the Glass Ceiling: Women in Theatre	
THTR 2600	Voice and Speech Training	
THTR 2983	Topics in Theatre History and Culture	
THTR 2993	Topics in Dance	
THTR 3100	Creative Storytelling for Social Engagement	
THTR 3200	Queer Theatre and Performance	
THTR 3400	Stage Combat	
THTR 3550	Directing for the Stage	

THTR 3650	Performing Theory
THTR 3670	Mixed-Media Performance Lab
THTR 4345	Advanced Acting for the Camera
THTR 5300	Devised Theatre Project
THTR 5700	Design for Immersive Performance

Integrative Requirement

Code	Title	Hours
THTR 2370	Lighting Design	4
THTR 4702	Capstone: Creative Practice Research Project	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
AFCS 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	
HIST 2220	History of Technology	
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks	
IS 1300 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	Technology and Society	

Computer Science Writing Requirement

Code	Title	Hours
College Writing		
ENGW 1111	First-Year Writing	4
Advanced Writing in the Disciplines		
ENGW 3302 or ENGW 3314 or ENGW 3315	Advanced Writing in the Technical Professions Advanced Writing in the Arts, Media, and Design Interdisciplinary Advanced Writing in the Disciplines	4

Required General Electives

Code	Title	Hours
Complete 24 semester hours of general electives.		24

Computer Science and Theatre Combined Major Credit Requirement

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

Combined Major GPA Requirement

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

NUpath Requirements Satisfied

- Engaging with the Natural and Designed World
- Exploring Creative Expression and Innovation
- Interpreting Culture
- Conducting Formal and Quantitative Reasoning
- Analyzing and Using Data
- Writing in the First Year
- Advanced Writing in the Disciplines

4 Computer Science and Theatre, BS

- Writing-Intensive in the Major
- Demonstrating Thought and Action in a Capstone

Integrating Knowledge and Skills Through Experience is satisfied through co-op.

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	Hours
CS 1200		1 CS 2510 and CS 2511		5 CS 3500 and CS 3501		5 Elective		4
CS 1800 and CS 1802		5 CS 3200		4 MATH 1341		4 Elective		4
CS 2500 and CS 2501		5 ENGW 1111		4				
THTR 1101		4 THTR 1131		4				
THTR 1120		4						
		19		17		9		8
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 1210		1 Co-op		0 Co-op		0 Elective		4
CS 3000		4				Elective		4
INAM 2000		4						
THTR 1100		1						
THTR 1270		4						
Khoury elective (1/2)		4						
		18		0		0		8
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 4550		4 Co-op		0 Co-op		0 ENGW 3302, 3314, or 3315		4
THTR 2000		1				Elective		4
THTR 3325		4						
Khoury elective (2/2)		4						
THTR Text, Community, & Social Context Course		4						
		17		0		0		8
Year 4								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 4500 or 4530		4 THTR 4702		4				
IS 4300		4 Computing and social issues		4				
THTR Elective		4 Integrative requirement		4				
Elective		4 THTR Elective		4				
		16		16				

Total Hours: 136

Four Years, Two Co-ops in Summer 2/Fall

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 1200		1 CS 2510 and CS 2511		5 CS 3000		4 Elective		4

CS 1800 and CS 1802	5	CS 3200	4	MATH 1341	4	Elective	4	4
CS 2500 and CS 2501	5	ENGW 1111	4					
THTR 1101	4	THTR 1131	4					
THTR 1120	4							

19	17	8	8
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Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 3500 and CS 3501	5	CS 1210	1	Elective	4	Co-op	0	0
INAM 2000	4	CS 4550	4	Elective	4			
THTR 1100	1	THTR 2000	1					
THTR 1270	4	THTR 3325	4					
Khoury elective (1/2)	4	Khoury elective (2/2)	4					
		THTR Text, Community & Social Context	4					

18	18	8	0
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Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
Co-op	0	CS 4530	4	ENGW 3302, 3314, or 3315	4	Co-op	0	0
		IS 4300	4	Elective	4			
		THTR Elective	4					
		Elective	4					

0	16	8	0
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Year 4								
Fall	Hours	Spring	Hours					
Co-op	0	THTR 4702	4					
		Computing and social issues	4					
		Integrative requirement	4					
		THTR Elective	4					

0	16							
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Total Hours: 136