

# Computer Science and Theatre, BS (Boston)

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.

## 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
<b>Computer Science Overview</b>		
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
<b>Computer Science Fundamental Courses</b>		
All students can take a self-assessment to attempt to place out of CS 2000 and CS 2001. Students who place out of CS 2000 and CS 2001 will instead substitute 4-5 SH of CS, CY, or DS coursework at the 3000 level or higher not otherwise required in the degree.		
CS 1800 and CS 1802	Discrete Structures and Seminar for CS 1800	5
CS 2000 and CS 2001	Introduction to Program Design and Implementation and Lab for CS 2000	5
CS 2100 and CS 2101	Program Design and Implementation 1 and Lab for CS 2100	5
<b>Computer Science Required Courses</b>		
CS 2484	Principles of Human-Computer Interaction	4
CS 3000	Algorithms and Data	4
CS 3100 and CS 3101	Program Design and Implementation 2 and Lab for CS 3100	5
CS 3200	Introduction to Databases	4
CS 4530 or CS 4535	Fundamentals of Software Engineering Professional Practicum Capstone	4
CS 4550	Web Development	4
<b>Khoury Approved Electives</b>		
Complete 8 credits from within the following options:		8
CS 2500 or higher, except CS 5010		
CY 2000 or higher, except CY 4930		
DS 2500 or higher, except DS 4900		
MKTG 4606	Digital, Analytics, Technology, and Automation Research Practicum	

## Theatre Requirements

Code	Title	Hours
<b>Theatre</b>		
A grade of C or higher is required for all THTR and INAM courses.		
<b>Foundational Courses</b>		
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
<b>Making Theatre</b>		
THTR 1100	Production Experience 1	1
THTR 2000	Production Experience 2	1
<b>Texts, Community, &amp; Social Context</b>		
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	
<b>Electives</b>		
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
<b>Mathematics</b>		
MATH 1341	Calculus 1 for Science and Engineering	4
<b>Computing and Social Issues</b>		
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	
DS 1300	Knowledge in a Digital World	
or PHIL 1300	Knowledge in a Digital World	
HIST 2220	History of Technology	
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks	
JRNL 3700	Data Storytelling	
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
<b>College Writing</b>		
ENGW 1111	First-Year Writing	4
<b>Advanced Writing in the Disciplines</b>		
Fulfilled by THTR 3325		

### Required General Electives

Code	Title	Hours
Complete 28 semester hours 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 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
- 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 First Half**

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200		1 CS 2100 and CS 2101		5 CS 3100 and CS 3101		5 General Elective	4
CS 1800 and CS 1802		5 ENGW 1111		4 General Elective		4 General Elective	4
CS 2000 and CS 2001		5 MATH 1341		4			
THTR 1101		4 THTR 1131		4			
THTR 1120		4 EEAM 2000 (For CAMD students)		1			
		19		18		9	8
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1210 (For Khoury students)		1 Co-op		0 Co-op		0 General Elective	4
CS 3000	4					General Elective	4
CS 3200	4						
INAM 2000	4						
THTR 1100	1						
THTR 1270	4						
		18		0		0	8
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 4550		4 Co-op		0 Co-op		0 General Elective	4
THTR 2000	1					General Elective	4
THTR 3325	4						
Khoury Elective	4						
THTR Text, Community, & Social Context Course	4						
		17		0		0	8
Year 4							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 2484		4 THTR 4702		4			
CS 4530 or 4535		4 Computing and Social Issues		4			
Khoury Elective		4 Integrative Requirement		4			
THTR Elective		4 THTR Elective		4			
		16		16			
<b>Total Hours: 137</b>							

**Four Years, Two Co-ops in Summer Second Half/Fall**

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200		1 CS 2100 and CS 2101		5 CS 3000		4 General Elective	4
CS 1800 and CS 1802		5 ENGW 1111		4 General Elective		4 General Elective	4
CS 2000 and CS 2001		5 MATH 1341		4			

THTR 1101	4	THTR 1131	4				
THTR 1120	4	EEAM 2000 (For CAMD students)	1				
	<b>19</b>		<b>18</b>		<b>8</b>		<b>8</b>
<b>Year 2</b>							
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>	<b>Summer 1</b>	<b>Hours</b>	<b>Summer 2</b>	<b>Hours</b>
CS 3100 and CS 3101	5	CS 1210 (For Khoury students)	1	General Elective	4	Co-op	0
CS 3200	4	THTR 1270	4	General Elective	4		
INAM 2000	4	THTR 2000	1				
THTR 1100	1	Khoury Elective	4				
THTR 3325	4	Khoury Elective	4				
		THTR Text, Community & Social Context	4				
	<b>18</b>		<b>18</b>		<b>8</b>		<b>0</b>
<b>Year 3</b>							
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>	<b>Summer 1</b>	<b>Hours</b>	<b>Summer 2</b>	<b>Hours</b>
Co-op	0	CS 2484	4	General Elective	4	Co-op	0
		CS 4550	4	General Elective	4		
		Computing and Social Issues	4				
		THTR Elective	4				
	<b>0</b>		<b>16</b>		<b>8</b>		<b>0</b>
<b>Year 4</b>							
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>				
Co-op	0	CS 4530 or 4535	4				
		THTR 4702	4				
		Integrative Requirement	4				
		THTR Elective	4				
	<b>0</b>		<b>16</b>				

Total Hours: 137