

Salem State University Advising Map

Bunker Hill Community College Computer Science Transfer Option, A.S. – with Optional MassTransfer STEM Gen Ed Foundation built in - transfers to Salem State University Computer Science BS as follows:

Catalog Year 2025-2026

This map is a Salem State University advising tool only. Bunker Hill Community College students should work with their advisor.

Salem State University Notes:

This BHCC program does not have all the required courses for the Mass Transfer STEM Gen Ed Foundation built in. SSU recommends students choose an additional Mass Transfer Humanities course beyond program requirements to qualify.

Salem State Computer Science students must have a cumulative grade-point average of 2.7 (B-) or higher in Computer Science major courses (courses with a CSC prefix) and a cumulative grade-point average of 2.3 (C+) or higher in the support courses in order to graduate from the Computer Science program. Therefore, while D is the minimum grade required for a course to transfer under the terms of the MassTransfer policy (unless the major requires a higher grade), cumulative major GPA and cumulative support course GPA may be subject to department review.

Mass Transfer STEM Gen Ed Foundation requirements:

Comp I	Comp II	Beh/SS	Beh/SS	Hum/FA	Hum/FA	Sci- Lab	Sci	Math
ENG111	ENG112	Community & Cultural Contexts	Community & Cultural Contexts	CW Creative Work	SSU recommends taking beyond program requirements	PHY251	PHY252	MAT281

Semester 1

Bunker Hill Course	Credits	SSU Equivalent Course	How course applies to SSU's Computer Science Program:
CSC-120 Intro to Comp Sci & Object Oriented Prog	4	CSC 110 SOFTWARE DESIGN AND PROGRAMMING I (4)	Major Requirement
MAT-281 Calculus I	4	MAT 220 CALCULUS I (4)	Major Support Course Requirement
ENG-111 College Writing I	3	ENL 105 INTRODUCTION TO COLLEGE WRITING (3)	Free Elective (assuming gen ed exemption)
Gen Ed-CCC Community & Cultural Contexts	3	Transferrable – exact equivalency depends on course chosen. Refer to Salem State University Transfer Equivalency Viewer for course equivalency information.	Free Elective (assuming gen ed exemption)
Gen Ed-E General Education Elective	3-4	Transferrable – exact equivalency depends on course chosen. Refer to	Free Elective (assuming gen ed exemption)

Choose one course from
General Education
Community and Cultural
Contexts Menu

Salem State University
Transfer Equivalency Viewer
for course equivalency
information.

Total Credits: 17-18

Semester 2

Bunker Hill Course	Credits	SSU Equivalent Course	How course applies to SSU's Computer Science Program:
CSC-237 C++ Programming	4	CSC 279 C+C++ (4)	One of two required Major Electives
MAT-282 Calculus II	4	MAT 221 CALCULUS II (4)	Major Support Course Requirement
ENG-112 College Writing II	3	ENL 110 FOUNDATIONS OF WRITING (3)	Free Elective (assuming gen ed exemption)
CSC-239 JAVA Programming	4	CSC 115 SOFTWARE DESIGN AND PROGRAMMING II (4)	Major Requirement
Total Credits:	15		

Semester 3

Bunker Hill Course	Credits	SSU Equivalent Course	How course applies to SSU's Computer Science Program:
Elective- Option Elective	3-4	BHCC MAT283= SSU MAT320	MAT283 or MAT285 will apply as a support course requirement.
<u>SSU recommends choosing MAT283 or MAT285</u>		BHCC MAT285= SSU MAT413 3 credits + 1 credit of math free elective	
CSC-285 Advanced Java Programming	3	BHCC CSC 285 combined with CSC242 =	Major Requirement + Free Elective
+ CSC-242 Data Structures	3	260 DATA STRUCTURES AND ALGORITHMS (4) + CSC OR ITE 2 CREDIT FREE ELECTIVE	
PHY-251 Physics I/Lab	4	PHS 221 GENERAL PHYSICS I WITH CALCULUS (4)	Major Support Course Requirement
Gen Ed-CW Creative Work	3	Transferrable – exact equivalency depends on course chosen. Refer to Salem State University Transfer Equivalency Viewer	Free Elective (assuming gen ed exemption)

for course equivalency
information.

Total Credits: 16-17

Semester 4

Bunker Hill Course	Credits	SSU Equivalent Course	How course applies to SSU's Computer Science Program:
PHY-252 Physics II/Lab	4	PHS 222 GENERAL PHYSICS II WITH CALCULUS (4)	Major Support Course Requirement
Elective- Option Elective	3-4	See course equivalency grid below.	Free Elective (assuming gen ed exemption)
Elective- Option Elective	3-4	See course equivalency grid below.	Free Elective (assuming gen ed exemption)
Elective- Option Elective	3-4	See course equivalency grid below.	Free Elective (assuming gen ed exemption)
Total Credits:		13-16	
Total Program Credits:		61-66	
		SSU recommends students choose an <u>additional</u> course from the <u>Gen Ed-CW Creative Work menu</u> to qualify for the Mass Transfer STEM Gen Ed Foundation, bringing the total to 64-69 credits.	Free Elective (assuming gen ed exemption)
Total Transfer Credits:		64-69	

Option Electives menu: Note – the BHCC program requires four Option Electives:

Bunker Hill Course	Credits	SSU Equivalent Course	How course applies to SSU's Computer Science Program:
CSC-244 Android Development with Kotlin	3	CSC 276 TOPICS IN COMPUTER SCIENCE	Free Elective (assuming gen ed exemption)
CSC-236 SQL Programming	3	CSCT61 COMPUTER SCIENCE FREE ELECTIVE	Free Elective (assuming gen ed exemption)
CSC-284 Advanced C++/OOP	3	CSCT61 COMPUTER SCIENCE FREE ELECTIVE	Free Elective (assuming gen ed exemption)

CSC-287 Survey New Popular OOPL for Programmers	3	CSCT61 COMPUTER SCIENCE FREE ELECTIVE	Free Elective (assuming gen ed exemption)
CSC-299 Computer Science Internship	3	CSCT61 COMPUTER SCIENCE FREE ELECTIVE	Free Elective (assuming gen ed exemption)
HON-200 Honors Seminar	3	INTERDISCIPLINARY STUDIES Elective	Free Elective (assuming gen ed exemption)
INT-299CSC Learn & Earn Computer Science Intern	3	SSUT61 GENERAL FREE ELECTIVE CREDIT	Free Elective (assuming gen ed exemption)
MAT-283 Calculus III This (or MAT285) is the ideal option elective to choose to transfer to SSU for maximum applicability of credit.	4	MAT 320 CALCULUS III	Major Support Course Requirement
MAT-285 Ordinary Differential Equations This (or MAT283) is the ideal option elective to choose to transfer to SSU for maximum applicability of credit.	4	MAT 413 ORDINARY DIFFERENTIAL EQUATIONS + MAT 1 CR FREE ELECTIVE	Major Support Course Requirement
MAT-291 Linear Algebra	4	MAT 240 LINEAR ALGEBRA I + MAT 1 CR FREE ELECTIVE	Free Elective (assuming gen ed exemption)
<i>Note - when all three courses are taken, they will be combined for credit as follows:</i>		<i>They are combined to transfer as follows:</i>	
CSC-236 SQL Programming +	3	CSC 279 C+C++ +	Free Electives (assuming gen ed exemption)
CSC-284 Advanced C++/OOP	3	CSC 278 SCRIPTING TECHNIQUES	
+	3	+	
CSC-287 Survey New Popular OOPL for Programmers		CSC 1 CREDIT ELECTIVE FREE ELECTIVE	
<i>Note - when these two courses are taken, they will be combined for credit as follows:</i>		CSC 367 INTERNSHIP IN COMPUTER SCIENCE	Free Electives (assuming gen ed exemption)
	3	6 credits	
CSC-299 Computer Science Internship			

