

CS (BS): CS Technical Track Form

Fall 2019 and Forward

Student Information			
Last Name		First Name	
GWID		GW Email	@gwmail.gwu.edu
SEAS Major	Computer Science	Degree	B.S.

As a student in the BS program, you must complete a **technical track** consisting of four courses (a minimum of 12 credits) as part of your degree requirements. You need to have your selections approved by your advisor (their signature is required below). A minimum of two of the four courses must be from the list on Page 2. All four must have CSCI 2113 as a prerequisite or within the prerequisite chain. For more information about technical track options and special rules, visit: <http://www.cs.seas.gwu.edu/technical-tracks>

Technical Track Electives in Core Areas						
List here the two courses taken from the list on Page 2						
#	Subject	Course No.	Course Title	Course In Progress	Course Completed	Future Course
1						
2						
Other Technical Track Electives						
Must have CSCI 2113 as a prerequisite or in the prerequisite chain. May be from the list on Page 2 if desired.						
#	Subject	Course No.	Course Title	Course In Progress		
3						
4						

Read before signing: I have reviewed the requirements for choosing technical track electives and I understand what I must do to complete these requirements. Any revisions must be approved in writing.

Required Signatures					
Student Signature			Date		
SEAS Faculty Advisor Signature		Last Name		Date	
Undergraduate Program Director Signature		Last Name		Date	

For Advising Use Only:

Submit forms to:
SEAS Undergraduate Student Services and Advising
Science & Engineering Hall, Suite 2500
seasadvising@gwu.edu

Technical Track Requirements

All students in the BS in computer science program are required to take four technical courses (for a minimum of 12 credits) of computer science coursework for their technical track. Two of the four courses must be selected from the following list. We recommend that they both be taken from within the same track, but this is not a requirement. The courses not from this list must have [CSCI 2113](#) as a prerequisite or within their prerequisite chain. The faculty advisor's documented approval is required before these latter two courses may be applied towards degree completion.

Systems Track	<ul style="list-style-type: none">• CSCI 6411 - Advanced Operating Systems• CSCI 6421 - Distributed Systems• CSCI 6431 - Computer Networks
Theory Track	<ul style="list-style-type: none">• CSCI 4331 or 6331 - Cryptography• CSCI 4364 or 6364 - Machine Learning
AI Track	<ul style="list-style-type: none">• CSCI 3907: Neural Networks• CSCI 4364 or 6364 - Machine Learning• CSCI 4341 - Continuous Algorithms• CSCI 4527 or 6527 - Introduction to Computer Vision
Applications Track	<ul style="list-style-type: none">• CSCI 6351 - Data Compression• EMSE 6567 - Applied Machine Learning for Analytics• CSCI 4554 - Computer Graphics• CSCI 4237 - Software Design for Handheld Devices
Security Track	<ul style="list-style-type: none">• CSCI 4331 or 6331 - Cryptography