

Computer Science Specialization in Computer Security Supplementary Checklist

Name _____

Stony Brook ID Number _____

Email _____

The specialization in Computer Security prepares students for a career as a security engineer, threat analyst, or security researcher. The courses under this specialization are taught by the computer science faculty affiliated with the National Security Institute. The specialization covers the fundamentals of security, while also exposing the student to some of the latest developments. It requires four core courses, two electives, and a project. Students may declare their participation in the specialization after completing the courses in 1a and 1b. All courses must be completed with a grade of C or higher.

1 Core Courses

	Course	Title	Course	Semester	Grade
a.	CSE 310	Data Communication and Networks <i>or</i>	_____	_____	_____
	CSE 346	Computer Communications	_____	_____	_____
b.	CSE 306	Operating Systems <i>or</i>	_____	_____	_____
	CSE 376	Advanced Systems Programming in UNIX/C	_____	_____	_____
c.	CSE 331	Intro to Security	_____	_____	_____
d.	CSE 360	Software Security <i>or</i>	_____	_____	_____
	CSE 361	Web Security <i>or</i>	_____	_____	_____
	CSE 362	Mobile Security <i>or</i>	_____	_____	_____
	CSE 363	Offensive Security	_____	_____	_____

2 Two Electives from the Following:

CSE 305 Principles of Database Systems, CSE 306 Operating Systems, CSE 315 Database Transaction Processing Systems, CSE 336 Internet Programming, CSE 360 Software Security, CSE 361 Web Security, CSE 362 Mobile Security, CSE 363 Offensive Security, CSE 375 Concurrency, or CSE 376 Advanced Systems Programming in UNIX/C.

Course	Title	Semester	Grade
_____	_____	_____	_____
_____	_____	_____	_____

3 Project

Completion of CSE 487 Research in Computer Science or CSE 488 Internship in Computer Science or CSE 495/CSE 496 Senior Honors Research Project I, II, on a topic in information assurance. The project may not be applied towards the requirements of another specialization.

Course	Title	Semester	Grade
_____	_____	_____	_____

Declaration of Specialization

Computer Science majors may declare their participation in the specialization after completing the first two courses with a grade of C or higher. Complete this form and submit it to the Computer Science Undergraduate Office.

Date _____ Signature _____