

**Computer Science
Graduation Requirements Checklist*
Fall 2017/Spring 2018**

Computer Science Courses			
Course	Gr.	Sem.	Comments
CSE 114			Alternate sequence for CS honors students: CSE 160/161 and CSE 260/261
CSE 214			
CSE 219			
CSE 215			or, for CS honors students, CSE 150
CSE 220			Systems Fundamentals I
CSE 300			Technical Communications
CSE 312			Legal, Social, and Ethical Issues
CSE 303			or, for CS honors students, CSE 350
CSE 308			Software Engineering
CSE 320			Systems Fundamentals II
CSE 373			or, for CS honors students, CSE 385
CSE ____			Three courses chosen from: CSE 304, 305, 306, 307, 310/346, 328
CSE ____			
CSE ____			The three courses must include CSE 305 and/or 306
CSE ____			Three upper-division CSE courses, excluding non-technical courses, such as CSE 301 or CSE 475
CSE ____			
CSE ____			
Mathematics Courses			
AMS 151			Alternate calculus sequences: MAT 125/126/127; MAT 131/132; MAT 141/142
AMS 161			
AMS 210			or MAT 211 or AMS 326
AMS 301			Finite Mathematical Structures
AMS 310			or AMS 311 or AMS 312
Natural Science Courses			
			Twelve credits, [‡] including at least one of BIO 201/204, BIO 202/204, BIO 203/204, CHE 131/133, CHE 152/154, PHY 126/133, PHY 127/133, PHY 131/133, PHY 141/133

* Computer science and mathematics courses must be completed with a grade of C or higher; the natural science courses, with an *average* of 2.0 or higher. A grade of C or higher is also required in prerequisite courses listed for all CSE courses.

‡ Additional approved courses include AST 203, AST 205, CHE 132, CHE 321, CHE 322, CHE 331, CHE 332, GEO 102, GEO 103, GEO 112, GEO 113, PHY 125, PHY 132, PHY 134, PHY 142, PHY 251, and PHY 252.

Admission to the CSE major

Currently enrolled students and transfer students may apply for acceptance to the major after completing at least ten credits of required CSE courses, including CSE 114 and CSE 215, with grades of B- or higher and a grade point average of 3.20 or higher in these courses. Only one of these courses may be repeated. Transfer students who have completed equivalent courses at another school with grades of B- or higher need not retake these courses, but should keep in mind that grades do not transfer and grade point averages are calculated on the basis of courses completed at Stony Brook. Students must have completed course evaluations for all transferred courses that are to be used to meet requirements of the major. Priority is given to students with a cumulative grade point average of 3.00 or higher.