Computer Science
Graduation Requirements Checklist*
Fall 2019/Spring 2020

Computer Science Courses			
Course	**Gr.**	**Sem.**	**Comments**
CSE 114			Alternate sequence for CS honors students:
CSE 214			CSE 160/161 and CSE 260/261
CSE 216			
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 310			Computer Networks
CSE 316			Fundamentals of Software Development
CSE 320			Systems Fundamentals II
CSE 373			or, for CS honors students, CSE 385
CSE 416			Software Engineering
CSE ___			Four upper-division CSE technical electives
CSE ___			Technical electives do not include
CSE ___			CSE 475, CSE 495, 496 and courses
CSE ___			designated as non-technical, such as CSE 301
Mathematics Courses			
AMS 151			Alternate calculus sequences: MAT 125/126/127;
AMS 161			MAT 131/132; MAT 141/142
AMS 210			or MAT 211 or AMS 326
AMS 301			Finite Mathematical Structures
AMS 310			or AMS 311 or AMS 312
Natural Science Courses			
			Nine 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 a *weighted 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, BIO 202, BIO 203, BIO 204, CHE 132, CHE 133, CHE 154, CHE 321, CHE 322, CHE 331, CHE 332, GEO 102, GEO 103, GEO 112, GEO 113, PHY 126, PHY 127, PHY 132, PHY 133, PHY 134, PHY 142, PHY 251, and PHY 252.

Admission to the CSE major

Applications for major admission from AOI and other CEAS students are reviewed twice per year and must be received by January 5 for Spring admission and June 5 for Fall admission. Students who submit their application on time will be admitted if they meet the following requirements:

- Completed at least ten credits of required technical 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 (Transfer students who have completed equivalent courses at another school with grades of B- or higher need not re-take 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),

- Repeated only one of these courses,

- Earned a cumulative grade point average of 3.00 or higher, and

- Completed course evaluations for all transferred courses that are to be used to meet requirements of the major.

Students must complete these requirements no later than one year after they enroll in the first course that applies towards major entry. Students must apply for admission by the application deadline immediately following completion of the above requirements, but no later than the one year limit.

Notes

- The required technical CSE courses are CSE 114, 214, 215, 216, 220, 303, 310, 316, 320, 373, and 416.

- For information about admission of Non-CEAS Students and Double Major Applicants see the Undergraduate Bulletin.