

**Computer Science
Graduation Requirements Checklist* – Fall 2012**

Computer Science Courses			
Course	Gr.	Sem.	Comments
CSE 114			Alternate sequence for CS honors students: CSE 160 and 260
CSE 214			
CSE 219			
CSE 215			or, for CS honors students, CSE 150
CSE 220			Systems-Level Programming
CSE 300			Writing in Computer Science
CSE 312			Legal, Social, and Ethical Issues
CSE 303			or, for CS honors students, CSE 350
CSE 308			Software Engineering
CSE 320			Computer Organization and Architecture
CSE 373			Analysis of Algorithms
CSE ___			Three courses chosen from: CSE 304, 305, 306, 307, 310/346, 328
CSE ___			
CSE ___			
CSE ___			The three courses must include CSE 305 and/or 306
CSE ___			
CSE ___			
CSE ___			Three upper-division CSE courses, excluding non-technical courses, such as CSE 301 or CSE 475
CSE ___			
CSE ___			

Mathematics Courses			
Course	Gr.	Sem.	Comments
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 312

Natural Science Sequence (BIO, CHE, or PHY)			
Course	Gr.	Sem.	One of the following sequences
			BIO 201, 202, 204 <i>or</i> 201, 203, 204 <i>or</i> 202, 203, 204, <i>or</i> CHE 131, 132, 133 <i>or</i> 141, 142, 143, <i>or</i> PHY 131, 132, 133, 134 <i>or</i> 125, 126, 127, 133, 134 <i>or</i> 141, 142

Additional Natural Science Credits			
Course	Gr.	Sem.	Comments
			Four additional credits from the above natural science courses (biology, chemistry, or physics) [‡]

* All courses must be taken for a letter grade. 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 detailed description of these graduation requirements, and of the additional requirements for CS honors students, can be found in the Stony Brook Undergraduate Bulletin. For information about general university requirements consult the CEAS Undergraduate Office.

[‡] Advanced courses may be substituted with the prior approval of the department. Students who complete the chemistry sequence need to take only *three* additional credits.