

**Computer Science  
Graduation Requirements Checklist\* – Fall 2011**

<b>Computer Science Courses</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
CSE 114			Computer Science I [advisory prerequisite: CSE 110]
CSE 214			Computer Science II
CSE 215			Foundations of Computer Science
CSE 219			Computer Science III
CSE 220			Systems-Level Programming
CSE 300			Writing in Computer Science
CSE 312			Legal, Social, and Ethical Issues
CSE 303			Introduction to the Theory of Computation
CSE 308			Software Engineering
CSE 320			Computer Organization and Architecture
CSE 373			Analysis of Algorithms
CSE ___			Three courses chosen from:
CSE ___			CSE 304, 305, 306, 307, 310/346, 328
CSE ___			The three courses must include CSE 305 and/or 306
CSE ___			Three upper-division CSE courses, excluding
CSE ___			non-technical courses, such as CSE 301, 475, and 488
CSE ___			

<b>Mathematics Courses</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
AMS 151			Alternate calculus sequences:
AMS 161			MAT 125/126/127;
AMS 210			MAT 131/132; MAT 141/142
AMS 301			or MAT 211 or AMS 326
AMS 301			Finite Mathematical Structures
AMS 310			or AMS 311 or 312

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

<b>Additional Natural Science Credits</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
			Four additional credits from the above natural science courses (biology, chemistry, or physics) <sup>‡</sup>

\* All courses on this list 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 must be completed with an *average* of 2.0 or higher. A detailed description of graduation requirements can be found in the Stony Brook Undergraduate Bulletin. For information about general university requirements consult the CEAS Undergraduate Office.

<sup>‡</sup> Advanced courses may be substituted with the prior approval of the department.