

**Computer Science  
Graduation Requirements Checklist – Fall 2004**

<b>Computer Science Courses</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
CSE 113			Foundations of Computer Science I
CSE 114			Computer Science I <sup>†</sup>
CSE 213			Foundations of Computer Science II
CSE 214			Computer Science II
CSE 219			Computer Science III
CSE 220			Computer Organization
CSE 300			Writing Skills
CSE ____			CSE 303 or CSE 373
CSE 308			Software Engineering
CSE ____			Three courses chosen from:
CSE ____			CSE 305; 306; 304 or 307; 328 or 333
CSE ____			
CSE ____			One of CSE 310, 320, 346, ESE 345
CSE ____			Three upper-division CSE or ISE courses,
CSE ____			excluding CSE 301, 475, 488, 495, and 496
CSE ____			and ISE 475 and 488

<b>Mathematics Courses</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
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 312

<b>Natural Science Sequence (two or three courses)</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>One of the following sequences</b>
			Two courses from BIO 201, 202, 203; <i>or</i>
			CHE 131, 132, 133 <i>or</i> 141, 142, 143; <i>or</i>
			GEO 102, 112, 309; <i>or</i>
			PHY 131/133, 132/134 <i>or</i> 141, 142 <i>or</i> 125, 126, 127

<b>Additional Natural Science Courses</b>			
<b>Course</b>	<b>Gr.</b>	<b>Sem.</b>	<b>Comments</b>
			Six more credits of approved natural science courses, though not necessarily a sequence <sup>‡</sup>

**Notes.** A detailed description of the computer science major requirements reflected in this checklist can be found in the Stony Brook Undergraduate Bulletin. For information about general (e.g., D.E.C.) requirements computer science majors should consult the CEAS Undergraduate Office.

<sup>†</sup> Students with little or no programming background must take CSE 110 before CSE 114.

<sup>‡</sup> A list of approved additional natural science courses can be obtained from the Computer Science Undergraduate Office and the departmental website.