# Computer Science
## Graduation Requirements Checklist – Fall 2005

| Computer Science Courses | | | |
|---|---|---|---|
| **Course** | **Gr.** | **Sem.** | **Comments** |
| CSE 113 | | | Foundations of Computer Science I |
| CSE 114 | | | Computer Science I$^{\dagger}$ |
| CSE 213 | | | Foundations of Computer Science II |
| CSE 214 | | | Computer Science II |
| CSE 219 | | | Computer Science III |
| CSE 220 | | | Computer Organization |
| CSE 300 | | | Writing in Computer Science |
| CSE 302 | | | Professional Ethics for Computer Science |
| CSE ___ | | | Theory: 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 |

| Mathematics Courses | | | |
|---|---|---|---|
| **Course** | **Gr.** | **Sem.** | **Comments** |
| 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 |

| Natural Science Sequence (two or three courses) | | | |
|---|---|---|---|
| **Course** | **Gr.** | **Sem.** | **One of the following sequences** |
| | | | Two courses from BIO 201, 202, 203; *or* |
| | | | CHE 131, 132, 133 *or* 141, 142, 143; *or* |
| | | | PHY 131/133, 132/134 *or* 141, 142 *or* 125, 126, 127 |

| Additional Natural Science Course(s) | | | |
|---|---|---|---|
| **Course** | **Gr.** | **Sem.** | **Comments** |
| | | | Four additional credits from the above natural science courses (biology, chemistry, or physics)$^{\ddagger}$ |

**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, consult the CEAS Undergraduate Office.

$^{\dagger}$ Students with little or no programming background must take CSE 110 before CSE 114.

$^{\ddagger}$ Advanced courses may be substituted with the prior approval of the department.