

B.S. Dual Major Specimen for Computer Science and Physics (282 BS)
For Students Entering in Fall 2007 or Spring 2008
Co-op Division A
Revision of June 18, 2008
This degree program requires 134 SH of credit

Freshman year

A1	CS U200 Discrete Structures and CS U201 (Recitation)	4
Fall	CS U211 Fundamentals of Computer Science 1 and CS U212 (Lab)	5
	CS U221 CS/IS Overview 1	1
	MTH U241 Calculus 1	4
	PHY U161 Physics 1 and CS U162 (Lab)	5
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U222 CS/IS Overview 2	1
	MTH U242 Calculus 2	4
	PHY U165 Physics 2 and CS U166 (Lab)	5
	ENG U111 College Writing	4

Sophomore Year

A3	CS U370 Object-Oriented Design	4
	CS U290 Logic and Computation	4
	PHY U371 Electronics and PHY U372 [0 SH]	4
	PHY U303 Modern Physics or PHY U305 Thermodynamics & Statistical Mechanics	4
A4	CS U390 Theory of Computation	4
	MTH U341 Calculus 3 or MTH U345 Ordinary Differential Equations	4
	PHY U303 Modern Physics or PHY U305 Thermodynamics & Statistical Mechanics	4
	General Elective 1: Arts/Humanities Core	4

Middler Year

A5	CS U690 Algorithms and Data	4
Spring	MTH U341 Calculus 3 or MTH U345 Ordinary Differential Equations	4
	PHY U602 Electricity and Magnetism	4
	ENG U302 Writing for Careers in Technical Professions	4
H1	PHY U600 Advanced Physics Laboratory 1	4
Summer 1	General Elective 2: Social Sciences Core	4

Junior Year

A6	CS U670 Software Development	4
Spring	MTH U525 Applied Analysis	4
	PHY Elective 1	4
	SOC U528 Computers and Society	4
H2	General Elective 3	4
Summer 1	General Elective 4	4

Senior Year

A7	CS Elective	4
Spring	CS U600 Senior Seminar	1
	PHY Elective 2	4
	General Elective 5	4
	General Elective 6	4

Notes on Electives:

2 of the general electives must be used to satisfy:

Level 1 Arts/Humanities Core

Level 1 Social Sciences Core

The Comparative Cultures Requirement must be satisfied. If this is done by taking a course then this must also be one of the general electives.

Either the CS Elective or one PHY Elective must satisfy the university Capstone Requirement.