

**Computer Science: Combined Bachelor of Science & Masters of Science (290BS)**  
**6-Year Specimen**  
**For Students Entering in Fall 2007 or Spring 2008**  
**Revision of June 25, 2008**

*This degree program requires 150 SH of and co-op division N*  
*At least 32 SH must be Masters level courses in Computer Science*

A1:	CS U200 Discrete Structures and CS U201 (Recitation)	CS/MS	4
Fall	CS U211 Fundamentals of Computer Science 1 and CS U212 (Lab)	CS	5
	CS U221 CS/IS Overview 1	CS	1
	Elective 1: Level 1 core in Arts/Humanities or in Social Sciences	AHSS	4
	ENG U111 College Writing	AHSS	4
A2:	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	CS	5
Spring	CS U290 Logic and Computation	CS/MS	4
	CS U222 CS/IS Overview 2	CS	1
	Elective 2: Level 1 core in the opposite category to that taken in the Fall semester	AHSS	4
	Elective 3	E	4
A3:	CS U370 Object-Oriented Design	CS	4
Fall	CS U380 Computer Organization & Architecture	CS	4
	MTH U241 Calculus 1	MS	4
	Elective 4	E	4
A4:	CS U390 Theory of Computation	CS	4
Fall	Computer Science Undergraduate Elective 1	CS	4
	MTH U242 Calculus 2	MS	4
	Science 1 and Science 1 Lab	MS	5
H1:	Elective 5	E	4
Summer 2	Elective 6	E	4
A5:	CS G112 Computer Systems	CS	4
Fall	MTH U481 Probability and Statistics	MS	4
	Science 2 and Science 2 Lab	MS	5
	ENG U302 Adv Writing in the Technical Professions	AHSS	4
H2:	MTH U371 Linear Algebra	MS	4
Summer 2	Elective 7	E	4
A6:	CS G113 Algorithms	CS	4
Fall	CS U670 Software Development	CS	4
	SOC U528 Computers & Society	AHSS	4
	ECE U230 Computer Architecture	MS	4
A7:	CS G111 Principles of Programming Languages	CS	4
Spring	Computer Science Undergraduate Elective 2 ( <i>Capstone</i> )	CS	4
	Computer Science Masters Elective 1	CS	4
	CS U600 Computer Science Senior Seminar	CS	1
	Elective 8	E	4
<i>Transition from BS to MS program</i>			
A8:	Computer Science Masters Elective 2	CS	4
Fall	Computer Science Masters Elective 3	CS	4
A9:	Computer Science Masters Elective 4	CS	4
Spring	Computer Science Masters Elective 5	CS	4

*Note: Students who wish to complete the combined BS and MS in Computer Science in 5 years will have only one co-op assignment rather than three co-op assignments. Such students should consult with an advisor about how to plan their academic schedule.*

**Note on Electives:**

*See the extensive notes on electives in the BS/MS in CS requirements document for additional specifications on electives.*