

B.S. Dual Major Specimen for Computer Science and Biology (283 BS)
For Students Entering in Fall 2007 or Spring 2008
Version for Division A
Revision of June 18, 2008
This degree program requires 140 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 or BIO U100 College: An Introduction	1
	BIO U101 Principles of Biology 1 and BIO U102 (Lab)	5
	CHM U211 General Chemistry 1 and CHM U212 (Lab) plus CHM U213 (Recitation)	5
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U222 CS/IS Overview 2 or BIO U106 Introduction to Experiential Education	1
	BIO U103 Principles of Biology 2 and BIO U104 (Lab)	5
	CHM U214 General Chemistry 2 and CHM U215 (Lab) plus CHM U216 (Recitation)	5
	ENG U111 College Writing	4

Sophomore Year

A3	CS U290 Logic and Computation	4
Fall	CS U370 Object-Oriented Design	4
	CHM U311 Organic Chemistry 1 and CHM U312 (Lab)	5
	MTH U151 Calculus and Differential Equations for Biology 1	4
A4	CS U430 Database Design	4
Spring	BIO U301 Genetics and Molecular Biology and BIO U302 (Lab)	5
	CHM U313 Organic Chemistry 2 and CHM U314 (Lab)	5
	MTH U152 Calculus and Differential Equations for Biology 2	4

Middler Year

A5	CS U390 Theory of Computation	4
Spring	BIO Elective 1 (U311, U313, U315, U317, U319, U321, or U323) with lab	5
	MTH U481 Probability and Statistics	4
	General Elective 1: Arts/Humanities Core	4
H1	General Elective 2: Social Sciences Core	4
Summer 1	General Elective 3	4

Junior Year

A6	CS U690 Algorithms and Data	4
Spring	BIO Elective 2	4/5
	ENG U302 Writing for Careers in Technical Professions	4
	SOC U528 Computers and Society	4
H2	General Elective 4	4
Summer 1	General Elective 5	4

Senior Year

A7	CS U670 Software Development	4
Spring	CS U600 Senior Seminar	1
	BIO U701 Biology Capstone	4
	<i>Biology Integrative Course: See Requirements</i>	4 or 5
	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.

B.S. Dual Major Specimen for Computer Science and Biology (283 BS)
For Students Entering in Fall 2007 or Spring 2008
Version for Division B
Revision of June 18, 2008
This degree program requires 140 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 or BIO U100 College: An Introduction	1
	BIO U101 Principles of Biology 1 and BIO U102 (Lab)	5
	CHM U211 General Chemistry 1 and CHM U212 (Lab) plus CHM U213 (Recitation)	5
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U222 CS/IS Overview 2 or BIO U106 Introduction to Experiential Education	1
	BIO U103 Principles of Biology 2 and BIO U104 (Lab)	5
	CHM U214 General Chemistry 2 and CHM U215 (Lab) plus CHM U216 (Recitation)	5
	ENG U111 College Writing	4

Sophomore Year

A3	CS U290 Logic and Computation	4
Fall	CS U370 Object-Oriented Design	4
	CHM U311 Organic Chemistry 1 and CHM U312 (Lab)	5
	MTH U151 Calculus and Differential Equations for Biology 1	4

Middler Year

H1	CHM U313 Organic Chemistry 2 and CHM U314 (Lab)	5
Summer 2	General Elective 1: Arts/Humanities Core	4
A4	CS U430 Database Design	4
Fall	BIO U301 Genetics and Molecular Biology and BIO U302 (Lab)	5
	MTH U152 Calculus and Differential Equations for Biology 2	4
	General Elective 2: Social Sciences Core	4

Junior Year

H2	General Elective 3	4
Summer 2	General Elective 4	4
A5	CS U390 Theory of Computation	4
Fall	BIO Elective 1 (U311, U313, U315, U317, U319, U321, or U323) with lab	5
	MTH U481 Probability and Statistics	4
	General Elective 5	4

Senior Year

A6	CS U690 Algorithms and Data	4
Fall	BIO Elective 2	4/5
	ENG U302 Writing for Careers in Technical Professions	4
	SOC U528 Computers and Society	4
A7	CS U670 Software Development	4
Spring	CS U600 Senior Seminar	1
	BIO U701 Biology Capstone	4
	<i>Biology Integrative Course: See Requirements</i>	4 or 5
	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.