

B.S. Dual Major Specimen for Computer Science and Mathematics (281BS)
For Students Entering in Fall 2007 or Spring 2008
Version for Division A
Revision of June 18, 2008
This degree program requires 133 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
	ENG U111 College Writing	4
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U290 Logic and Computation	4
	CS U222 CS/IS Overview 2	1
	MTH U242 Calculus 2	4
	General Elective 1: Arts/Humanities Core	4

Sophomore Year

A3	CS U370 Object-Oriented Design	4
Fall	MTH U341 Calculus 3	4
	MTH U345 Ordinary Differential Equations	4
	General Elective 2: Social Sciences Core	4
A4	CS U390 Theory of Computation	4
Spring	MTH U371 Linear Algebra	4
	MTH U481 Probability and Statistics	4
	General Elective 3	4

Middler Year

A5	CS U690 Algorithms and Data	4
Spring	CS Elective 1	4
	MTH U430 Number Theory or MTH U575 Group Theory	4
	MTH U300 Co-op Reflection Seminar 1	1
	ENG U302 Writing for Careers in Technical Professions	4
H1	General Elective 4	4
Summer 1	General Elective 5	4

Junior Year

A6	CS U670 Software Development	4
Spring	MTH U575 Group Theory or MTH U430 Number Theory	4
	MTH Elective 1	4
	SOC U528 Computers and Society	4
H2	General Elective 6	4
Summer 1	General Elective 7	4

Senior Year

A7	CS U540 Computer Graphics	4
Spring	CS Elective 2	4
	CS U600 Senior Seminar	1
	MTH Elective 2	4
	MTH Elective 3	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 Mathematics (281 BS)
For Students Entering in Fall 2007 or Spring 2008
Version for Division B
Revision of June 18, 2008
This degree program requires 133 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
	ENG U111 College Writing	4
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U290 Logic and Computation	4
	CS U222 CS/IS Overview 2	1
	MTH U242 Calculus 2	4
	General Elective 1: Arts/Humanities Core	4

Sophomore Year

A3	CS U370 Object-Oriented Design	4
Fall	MTH U341 Calculus 3	4
	MTH U345 Ordinary Differential Equations	4
	General Elective 2: Social Sciences Core	4

Middler Year

H1	General Elective 3	5
Summer 2	General Elective 4	4
A4	CS U390 Theory of Computation	4
Fall	MTH U371 Linear Algebra	4
	MTH U481 Probability and Statistics	4
	MTH U300 Co-op Reflection Seminar 1	1
	General Elective 5	4

Junior Year

H2	General Elective 6	4
Summer 2	General Elective 7	4
A5	CS U690 Algorithms and Data	4
Fall	CS Elective 1	4
	MTH U430 Number Theory or MTH U575 Group Theory	4
	ENG U302 Writing for Careers in Technical Professions	4

Senior Year

A6	CS U670 Software Development	4
Fall	MTH U575 Group Theory or MTH U430 Number Theory	4
	MTH Elective 1	4
	SOC U528 Computers and Society	4
A7	CS U540 Computer Graphics	4
Spring	CS Elective 2	4
	CS U600 Senior Seminar	1
	MTH Elective 2	4
	MTH Elective 3	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.