

B.S. Dual Major Specimen for Computer Science and Mathematics (281BS)
For Students Entering in Fall 2008 or Spring 2009
Version for Division A
Revision of June 23, 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
	ENG U111 College Writing	4
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U290 Logic and Computation and CS U291 (Lab)	5
	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)
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Version for Division B
Revision of June 23, 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
	ENG U111 College Writing	4
A2	CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab)	5
Spring	CS U290 Logic and Computation and CS U291 (Lab)	5
	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.