

College of Computer and Information Science

MDS 260 BACS Computer Science Div A		
Yr 1 FL	B CS U200 Discrete Structures Coreq(s): B CS U201	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1 Coreq(s): B CS U212	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211 Coreq(s): B CS U211	1.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200 Coreq(s): B CS U200	0.0 SH
Yr 1 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2 Coreq(s): B CS U214	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213 Coreq(s): B CS U213	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation Coreq(s): B CS U291	4.0 SH
Yr 1 SP	B CS U291 Lab for CS U290 Coreq(s): B CS U290	1.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	Foreign Language Core Course	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B CS U480 Systems & Networks	4.0 SH
Yr 2 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH

Yr 3 SP	B CS U690 Algorithms & Data	4.0 SH
Yr 3 SP	C MTH U481 Probability and Statistics	4.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 SP	C SOC U528 Computers and Society	4.0 SH
Yr 4 SP	Science Elective with Lab	5.0 SH
Yr 4 SP	CS Undergraduate Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	BS Comp Sci Elect (Capstone)	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 260 BACS Computer Science Div N		
Yr 1 FL	B CS U200 Discrete Structures Coreq(s): B CS U201	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1 Coreq(s): B CS U212	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211 Coreq(s): B CS U211	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200 Coreq(s): B CS U200	0.0 SH
Yr 1 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	18.0 SH

Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2 Coreq(s): B CS U214	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213 Coreq(s): B CS U213	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation Coreq(s): B CS U291	4.0 SH
Yr 1 SP	B CS U291 Lab for CS U290 Coreq(s): B CS U290	1.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	Foreign Language Core Course	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	B CS U480 Systems & Networks	4.0 SH
Yr 3 FL	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 FL	C MTH U481 Probability and Statistics	4.0 SH
Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 FL	B CS U690 Algorithms & Data	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH

Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 5 FL	CS Undergraduate Elective	4.0 SH
Yr 5 FL	Science Elective with Lab	5.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	BS Comp Sci Elect (Capstone)	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 260 BSCS Computer Science Div A

Yr 1 FL	B CS U200 Discrete Structures Coreq(s): B CS U201	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1 Coreq(s): B CS U212	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211 Coreq(s): B CS U211	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200 Coreq(s): B CS U200	0.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2 Coreq(s): B CS U214	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213 Coreq(s): B CS U213	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation Coreq(s): B CS U291	4.0 SH
Yr 1 SP	B CS U291 Lab for CS U290 Coreq(s): B CS U290	1.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	B CS U480 Systems & Networks	4.0 SH
Yr 2 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 2 SP	Science Elective with Lab	5.0 SH
	Semester Subtotal	17.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH

College of Computer and Information Science

Yr 3 FL	CO-OP	0.0 SH	Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Semester Subtotal	0.0 SH		Coreq(s): B CS U214	
Yr 3 SP	C MTH U481 Probability and Statistics	4.0 SH	Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH		Coreq(s): B CS U213	
Yr 3 SP	CS U660 or CS U690	4.0 SH	Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
Yr 3 SP	Science Elective with Lab	5.0 SH		Coreq(s): B CS U291	
	Semester Subtotal	17.0 SH	Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
				Coreq(s): B CS U290	
Yr 3 S1	C MTH U371 Linear Algebra	4.0 SH	Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH	Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH	Yr 1 SP	NU Core Course or Elective	4.0 SH
				Semester Subtotal	19.0 SH
Yr 3 S2	CO-OP	0.0 SH	Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH		Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH	Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH		Semester Subtotal	0.0 SH
Yr 4 SP	A ECE U230 Computer Architecture for CS	4.0 SH	Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 4 SP	CS U660 or CS U690	4.0 SH	Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 4 SP	CS Undergraduate Elective	4.0 SH	Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 4 SP	CS Undergraduate Elective	4.0 SH	Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH		Semester Subtotal	16.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH	Yr 2 SP	CO-OP	0.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH		Semester Subtotal	0.0 SH
	Semester Subtotal	8.0 SH	Yr 2 S1	CO-OP	0.0 SH
Yr 4 S2	CO-OP	0.0 SH		Semester Subtotal	0.0 SH
	Semester Subtotal	0.0 SH	Yr 2 S2	VACATION	0.0 SH
Yr 5 FL	CO-OP	0.0 SH		Semester Subtotal	0.0 SH
	Semester Subtotal	0.0 SH	Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH	Yr 3 FL	B CS U480 Systems & Networks	4.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH	Yr 3 FL	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH	Yr 3 FL	Science Elective with Lab	5.0 SH
Yr 5 SP	BS Comp Sci Elect (Capstone)	4.0 SH		Semester Subtotal	17.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH	Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	17.0 SH		Semester Subtotal	0.0 SH
			Yr 3 S1	CO-OP	0.0 SH
				Semester Subtotal	0.0 SH
			Yr 3 S2	C MTH U371 Linear Algebra	4.0 SH
			Yr 3 S2	NU Core Course or Elective	4.0 SH
				Semester Subtotal	8.0 SH
			Yr 4 FL	C MTH U481 Probability and Statistics	4.0 SH
			Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
			Yr 4 FL	CS U660 or CS U690	4.0 SH
			Yr 4 FL	Science Elective with Lab	5.0 SH
				Semester Subtotal	17.0 SH
			Yr 4 SP	CO-OP	0.0 SH
				Semester Subtotal	0.0 SH
			Yr 4 S1	CO-OP	0.0 SH
				Semester Subtotal	0.0 SH
			Yr 4 S2	NU Core Course or Elective	4.0 SH
			Yr 4 S2	NU Core Course or Elective	4.0 SH
				Semester Subtotal	8.0 SH

MDS 260 BSCS Computer Science Div N

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

Yr 5 FL	A ECE U230 Computer Architecture for CS	4.0 SH
Yr 5 FL	CS U660 or CS U690	4.0 SH
Yr 5 FL	CS Undergraduate Elective	4.0 SH
Yr 5 FL	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH
Yr 5 SP	BS Comp Sci Elect (Capstone)	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 3 FL	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 3 FL	CS Undergraduate Elective	4.0 SH
Yr 3 FL	Science Elective with Lab	5.0 SH
	Semester Subtotal	17.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH

BSMS Computer Science Div N

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 4 FL	B CS G112 Computer Systems	4.0 SH
Yr 4 FL	C MTH U481 Probability and Statistics	4.0 SH
Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 FL	Science Elective with Lab	5.0 SH
	Semester Subtotal	17.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	C MTH U371 Linear Algebra	4.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 5 FL	B CS G113 Algorithms	4.0 SH
Yr 5 FL	B CS U670 Software Development	4.0 SH
Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 5 FL	A ECE U230 Computer Architecture for CS	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B CS G111 Principles of Programming Lang	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	BS Comp Sci Elect (Capstone)	4.0 SH
Yr 5 SP	CS Graduate Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 5 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 6 FL	CS Graduate Elective	4.0 SH
Yr 6 FL	CS Graduate Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 6 SP	CS Graduate Elective	4.0 SH
Yr 6 SP	CS Graduate Elective	4.0 SH
	Semester Subtotal	8.0 SH

MDS 283 BS Computer Science and Biology Div A

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	C BIO U101 Principles of Biology 1	4.0 SH
	Coreq(s): C BIO U102	
Yr 1 FL	C BIO U102 Lab for BIO U101	1.0 SH
	Coreq(s): C BIO U101	
Yr 1 FL	C CHM U211 General Chemistry 1	4.0 SH
	Coreq(s): C CHM U212 C CHM U213	
Yr 1 FL	C CHM U212 Lab for CHM U211	1.0 SH
	Coreq(s): C CHM U211 C CHM U213	
Yr 1 FL	C CHM U213 Recitation for CHM U211	0.0 SH
	Coreq(s): C CHM U211 C CHM U212	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	20.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	C BIO U103 Principles of Biology 2	4.0 SH
	Coreq(s): C BIO U104	
Yr 1 SP	C BIO U104 Lab for BIO U103	1.0 SH
	Coreq(s): C BIO U103	
Yr 1 SP	C CHM U214 General Chemistry 2	4.0 SH
	Coreq(s): C CHM U215 C CHM U216	
Yr 1 SP	C CHM U215 Lab for CHM U214	1.0 SH
	Coreq(s): C CHM U214 C CHM U216	
Yr 1 SP	C CHM U216 Recitation for CHM U214	0.0 SH
	Coreq(s): C CHM U214 C CHM U215	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
	Semester Subtotal	20.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U151 Calculus & Diff Eq—Biology 1	4.0 SH
Yr 2 FL	C CHM U311 Organic Chemistry1	4.0 SH
	Coreq(s): C CHM U312	
Yr 2 FL	C CHM U312 Lab for CHM U311	1.0 SH
	Coreq(s): C CHM U311	
Yr 2 FL	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 2 FL	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
	Semester Subtotal	18.0 SH

Yr 2 SP	B CS U430 Database Design	4.0 SH
Yr 2 SP	C BIO U301 Genetics & Molecular Biology	4.0 SH
	Coreq(s): C BIO U302	
Yr 2 SP	C BIO U302 Lab for BIO U301	1.0 SH
	Coreq(s): C BIO U301	
Yr 2 SP	C CHM U313 Organic Chemistry 2	4.0 SH
	Coreq(s): C CHM U314	
Yr 2 SP	C CHM U314 Lab CHM U313	1.0 SH
	Coreq(s): C CHM U313	
Yr 2 SP	C MTH U152 Calculus & Diff Eq—Biology 2	4.0 SH
	Semester Subtotal	18.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	B CS U390 Theory of Computation	4.0 SH
Yr 3 SP	C MTH U481 Probability and Statistics	4.0 SH
Yr 3 SP	BIO Undergraduate Elective	5.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 SP	B CS U690 Algorithms & Data	4.0 SH
Yr 4 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 SP	C SOC U528 Computers and Society	4.0 SH
Yr 4 SP	BIO Undergraduate Elective	5.0 SH
	Semester Subtotal	17.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	C BIO U521 Exper Design Marine Ecology	4.0 SH
	Coreq(s): C BIO U522	
Yr 5 SP	C BIO U522 Lab for BIO U521	1.0 SH
	Coreq(s): C BIO U521	
Yr 5 SP	C BIO U701 Biology Capstone	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

MDS 283 BS Computer Science and Biology Div B

Yr 1 FL	B CS U200 Discrete Structures Coreq(s): B CS U201	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1 Coreq(s): B CS U212	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211 Coreq(s): B CS U211	1.0 SH
Yr 1 FL	C BIO U101 Principles of Biology 1 Coreq(s): C BIO U102	4.0 SH
Yr 1 FL	C BIO U102 Lab for BIO U101 Coreq(s): C BIO U101	1.0 SH
Yr 1 FL	C CHM U211 General Chemistry 1 Coreq(s): C CHM U212 C CHM U213	4.0 SH
Yr 1 FL	C CHM U212 Lab for CHM U211 Coreq(s): C CHM U211 C CHM U213	1.0 SH
Yr 1 FL	C CHM U213 Recitation for CHM U211 Coreq(s): C CHM U211 C CHM U212	0.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200 Coreq(s): B CS U200	0.0 SH
	Semester Subtotal	20.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2 Coreq(s): B CS U214	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213 Coreq(s): B CS U213	1.0 SH
Yr 1 SP	C BIO U103 Principles of Biology 2 Coreq(s): C BIO U104	4.0 SH
Yr 1 SP	C BIO U104 Lab for BIO U103 Coreq(s): C BIO U103	1.0 SH
Yr 1 SP	C CHM U214 General Chemistry 2 Coreq(s): C CHM U215 C CHM U216	4.0 SH
Yr 1 SP	C CHM U215 Lab for CHM U214 Coreq(s): C CHM U214 C CHM U216	1.0 SH
Yr 1 SP	C CHM U216 Recitation for CHM U214 Coreq(s): C CHM U214 C CHM U215	0.0 SH
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
	Semester Subtotal	20.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U151 Calculus & Diff Eq—Biology 1	4.0 SH
Yr 2 FL	C CHM U311 Organic Chemistry1 Coreq(s): C CHM U312	4.0 SH
Yr 2 FL	C CHM U312 Lab for CHM U311 Coreq(s): C CHM U311	1.0 SH
Yr 2 FL	B CS U290 Logic and Computation Coreq(s): B CS U291	4.0 SH
Yr 2 FL	B CS U291 Lab for CS U290 Coreq(s): B CS U290	1.0 SH
	Semester Subtotal	18.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH

Yr 2 S2	C CHM U313 Organic Chemistry 2 Coreq(s): C CHM U314	4.0 SH
Yr 2 S2	C CHM U314 Lab CHM U313 Coreq(s): C CHM U313	1.0 SH
Yr 2 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	9.0 SH
Yr 3 FL	B CS U430 Database Design	4.0 SH
Yr 3 FL	C BIO U301 Genetics & Molecular Biology Coreq(s): C BIO U302	4.0 SH
Yr 3 FL	C BIO U302 Lab for BIO U301 Coreq(s): C BIO U301	1.0 SH
Yr 3 FL	C MTH U152 Calculus & Diff Eq—Biology 2	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	BS Core Course	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 FL	B CS U390 Theory of Computation	4.0 SH
Yr 4 FL	C MTH U481 Probability and Statistics	4.0 SH
Yr 4 FL	BIO Undergraduate Elective	5.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	B CS U690 Algorithms & Data	4.0 SH
Yr 5 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 5 FL	BIO Undergraduate Elective	5.0 SH
	Semester Subtotal	17.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	C BIO U701 Biology Capstone	4.0 SH
Yr 5 SP	C BIO U521 Exper Design Marine Ecology Coreq(s): C BIO U522	4.0 SH
Yr 5 SP	C BIO U522 Lab for BIO U521 Coreq(s): C BIO U521	1.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

MDS 284 BS Computer Science and Business Administration Div A

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ECN U115 Principles of Macroeconomics	4.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C ECN U116 Principles of Microeconomics	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	D ACC U201 Financial Accounting & Reporting	4.0 SH
Yr 2 FL	D MSC U201 Business Statistics	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B CS U380 Computer Organization	4.0 SH
Yr 2 SP	B CS U430 Database Design	4.0 SH
Yr 2 SP	D ACC U301 Managerial Accounting	4.0 SH
Yr 2 SP	D FIN U201 Financial Management	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	B CS U480 Systems & Networks	4.0 SH
Yr 3 SP	D MIS U305 Info Resource Management	4.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 SP	Business Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	D HRM U201 Organizational Behavior	4.0 SH
Yr 3 S1	D MKT U201 Introduction to Marketing	4.0 SH
	Semester Subtotal	8.0 SH

Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 SP	B CS U390 Theory of Computation	4.0 SH
Yr 4 SP	Business Elective	4.0 SH
Yr 4 SP	Business Elective	4.0 SH
Yr 4 SP	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 SP	D MGT U501 Strategy in Action	4.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH
Yr 5 SP	Business Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 284 BS Computer Science and Business Administration Div N

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ECN U115 Principles of Macroeconomics	4.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C ECN U116 Principles of Microeconomics	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	D ACC U201 Financial Accounting & Reporting	4.0 SH
Yr 2 FL	D MSC U201 Business Statistics	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	B CS U380 Computer Organization	4.0 SH
Yr 3 FL	B CS U430 Database Design	4.0 SH
Yr 3 FL	D ACC U301 Managerial Accounting	4.0 SH
Yr 3 FL	D FIN U201 Financial Management	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	D HRM U201 Organizational Behavior	4.0 SH
Yr 3 S2	D MKT U201 Introduction to Marketing	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 FL	B CS U480 Systems & Networks	4.0 SH
Yr 4 FL	D MIS U305 Info Resource Management	4.0 SH
Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 FL	Business Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 5 FL	B CS U390 Theory of Computation	4.0 SH
Yr 5 FL	CS Undergraduate Elective	4.0 SH
Yr 5 FL	Business Elective	4.0 SH
Yr 5 FL	Business Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	D MGT U501 Strategy in Action	4.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	Business Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 280 BS Computer Science and Cognitive Psychology Div A

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	C PSY U101 Foundations of Psychology	4.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	C PSY U466 Cognition	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 FL	C PSY U320 Stats in Psychological Resrch	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	C PSY U464 Psychology of Language	4.0 SH
Yr 2 SP	C PSY U452 Sensation & Perception	4.0 SH
Yr 2 SP	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	B IS U570 Human Computer Interaction	4.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 SP	PSY Undergraduate Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH

College of Computer and Information Science

Yr 3 S2	CO-OP	0.0 SH	Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
	Semester Subtotal	0.0 SH	Yr 2 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 4 FL	CO-OP	0.0 SH	Yr 2 FL	C PSY U320 Stats in Psychological Resrch	4.0 SH
	Semester Subtotal	0.0 SH	Yr 2 FL	NU Core Course or Elective	4.0 SH
Yr 4 SP	C SOC U528 Computers and Society	4.0 SH		Semester Subtotal	16.0 SH
Yr 4 SP	CS Undergraduate Elective	4.0 SH	Yr 2 SP	CO-OP	0.0 SH
Yr 4 SP	Psych Lab Elective	4.0 SH		Semester Subtotal	0.0 SH
Yr 4 SP	PSY Undergraduate Elective	4.0 SH	Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	16.0 SH		Semester Subtotal	0.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH	Yr 2 S2	VACATION	0.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH		Semester Subtotal	0.0 SH
	Semester Subtotal	8.0 SH	Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 4 S2	CO-OP	0.0 SH	Yr 3 FL	C PSY U464 Psychology of Language	4.0 SH
	Semester Subtotal	0.0 SH	Yr 3 FL	C PSY U452 Sensation & Perception	4.0 SH
Yr 5 FL	CO-OP	0.0 SH	Yr 3 FL	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	0.0 SH		Semester Subtotal	16.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH	Yr 3 SP	CO-OP	0.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH		Semester Subtotal	0.0 SH
Yr 5 SP	B CS U520 Artificial Intelligence	4.0 SH	Yr 3 S1	CO-OP	0.0 SH
Yr 5 SP	Psych Seminar	4.0 SH		Semester Subtotal	0.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH	Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH	Yr 3 S2	NU Core Course or Elective	4.0 SH
				Semester Subtotal	8.0 SH
MDS 280 BS Computer Science and Cognitive Psychology Div N			Yr 4 FL	B IS U570 Human Computer Interaction	4.0 SH
Yr 1 FL	B CS U200 Discrete Structures	4.0 SH	Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
	Coreq(s): B CS U201		Yr 4 FL	PSY Undergraduate Elective	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH	Yr 4 FL	NU Core Course or Elective	4.0 SH
	Coreq(s): B CS U212			Semester Subtotal	16.0 SH
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH	Yr 4 SP	CO-OP	0.0 SH
	Coreq(s): B CS U211			Semester Subtotal	0.0 SH
Yr 1 FL	C PSY U101 Foundations of Psychology	4.0 SH	Yr 4 S1	CO-OP	0.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH		Semester Subtotal	0.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH	Yr 4 S2	NU Core Course or Elective	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH	Yr 4 S2	NU Core Course or Elective	4.0 SH
	Coreq(s): B CS U200			Semester Subtotal	8.0 SH
	Semester Subtotal	18.0 SH	Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH	Yr 5 FL	CS Undergraduate Elective	4.0 SH
	Coreq(s): B CS U214		Yr 5 FL	Psych Lab Elective	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH	Yr 5 FL	PSY Undergraduate Elective	4.0 SH
	Coreq(s): B CS U213			Semester Subtotal	16.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH	Yr 5 SP	B CS U670 Software Development	4.0 SH
	Coreq(s): B CS U291		Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH	Yr 5 SP	B CS U520 Artificial Intelligence	4.0 SH
	Coreq(s): B CS U290		Yr 5 SP	Psych Seminar	4.0 SH
Yr 1 SP	C PSY U466 Cognition	4.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH		Semester Subtotal	17.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH			
	Semester Subtotal	19.0 SH			
Yr 1 S1	VACATION	0.0 SH			
	Semester Subtotal	0.0 SH			
Yr 1 S2	VACATION	0.0 SH			
	Semester Subtotal	0.0 SH			

MDS 287 BS Computer Science and Digital Art Div Z

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ART U130 Visual Studies Foundation 1	4.0 SH
	Coreq(s): C ART U123	
Yr 1 FL	C ART U123 2D Tools for ART U130	1.0 SH
	Coreq(s): C ART U130	
Yr 1 FL	C ENG U111 College Writing	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C ART U131 Visual Studies Foundation 2	4.0 SH
	Coreq(s): C ART U125	
Yr 1 SP	C ART U125 3D Tools for ART U131	1.0 SH
	Coreq(s): C ART U131	
Yr 1 SP	C PSY U101 Foundations of Psychology	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U430 Database Design	4.0 SH
Yr 2 FL	C ART U132 4D Foundation	4.0 SH
	Coreq(s): C ART U133	
Yr 2 FL	C ART U133 4D Tools for ART U132	1.0 SH
	Coreq(s): C ART U132	
Yr 2 FL	C ART U134 Interactive Foundation	4.0 SH
	Coreq(s): C ART U135	
Yr 2 FL	C ART U135 Interactive Tools for ART U134	1.0 SH
	Coreq(s): C ART U134	
	Semester Subtotal	18.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	ART Undergraduate Elective	4.0 SH
Yr 2 SP	ART Undergraduate Elective	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 FL	BS Computer Science Elective	4.0 SH
Yr 3 FL	ART Undergraduate Elective	4.0 SH
Yr 3 FL	ART Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH

Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	C SOC U528 Computers and Society	4.0 SH
Yr 4 FL	BS Computer Science Elective	4.0 SH
Yr 4 FL	ART Undergraduate Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	B CS U670 Software Development	4.0 SH
Yr 5 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 5 FL	ART Undergraduate Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B IS U570 Human Computer Interaction	4.0 SH
Yr 5 SP	B CS U540 Computer Graphics	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	DIGITAL ARTS DEGREE PROJECT	4.0 SH
	Semester Subtotal	17.0 SH

MDS 271 BS Computer Science and Information Science Div A

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C PSY U101 Foundations of Psychology	4.0 SH
Yr 1 SP	C ECN U116 Principles of Microeconomics	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B IS U300 Principles Information Science	4.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C ECN U350 Statistics	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B IS U570 Human Computer Interaction	4.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	B CS U430 Database Design	4.0 SH
Yr 2 SP	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	B IS U470 Info System Design & Dev	4.0 SH
Yr 3 SP	B CS U660 Programming Languages	4.0 SH
Yr 3 SP	B IS U580 Empirical Research Methods	4.0 SH
Yr 3 SP	B CS U480 Systems & Networks	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	C MTH U371 Linear Algebra	4.0 SH
Yr 3 S1	D HRM U201 Organizational Behavior	4.0 SH
	Semester Subtotal	8.0 SH
Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 SP	D MIS U305 Info Resource Management	4.0 SH
Yr 4 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 SP	B CS U690 Algorithms & Data	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 SP	B IS U692 Information Science Sr Project	5.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 271 BS Computer Science and Information Science		
Div N		
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	C PSY U101 Foundations of Psychology	4.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C ECN U116 Principles of Microeconomics	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B IS U300 Principles Information Science	4.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U380 Computer Organization	4.0 SH
Yr 2 FL	C ECN U350 Statistics	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	B IS U570 Human Computer Interaction	4.0 SH
Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 3 FL	B CS U430 Database Design	4.0 SH
Yr 3 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	C MTH U371 Linear Algebra	4.0 SH
Yr 3 S2	D HRM U201 Organizational Behavior	4.0 SH
	Semester Subtotal	8.0 SH

Yr 4 FL	B IS U470 Info System Design & Dev	4.0 SH
Yr 4 FL	B CS U660 Programming Languages	4.0 SH
Yr 4 FL	B IS U580 Empirical Research Methods	4.0 SH
Yr 4 FL	B CS U480 Systems & Networks	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 5 FL	D MIS U305 Info Resource Management	4.0 SH
Yr 5 FL	B CS U690 Algorithms & Data	4.0 SH
Yr 5 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B IS U692 Information Science Sr Project	5.0 SH
Yr 5 SP	C SOC U528 Computers and Society	4.0 SH
Yr 5 SP	B CS U670 Software Development	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 281 BS Computer Science and Mathematics Div A

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	C MTH U371 Linear Algebra	4.0 SH
Yr 2 SP	C MTH U481 Probability and Statistics	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	B CS U690 Algorithms & Data	4.0 SH
Yr 3 SP	C MTH U430 Number Theory	4.0 SH
Yr 3 SP	C MTH U300 Co-op Reflections Seminar 1	1.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 SP	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 SP	B CS U670 Software Development	4.0 SH
Yr 4 SP	C MTH U575 Group Theory	4.0 SH
Yr 4 SP	C SOC U528 Computers and Society	4.0 SH
Yr 4 SP	MTH Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 SP	B CS U540 Computer Graphics	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	CS Undergraduate Elective	4.0 SH
Yr 5 SP	MTH Undergraduate Elective	4.0 SH
Yr 5 SP	MTH Undergraduate Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 281 BS Computer Science and Mathematics Div B

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
	Semester Subtotal	18.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	NU Core Course or Elective	4.0 SH
Yr 2 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 3 FL	B CS U390 Theory of Computation	4.0 SH
Yr 3 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 3 FL	C MTH U481 Probability and Statistics	4.0 SH
Yr 3 FL	C MTH U300 Co-op Reflections Seminar 1	1.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH

Yr 4 FL	B CS U690 Algorithms & Data	4.0 SH
Yr 4 FL	C MTH U430 Number Theory	4.0 SH
Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 FL	CS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	B CS U670 Software Development	4.0 SH
Yr 5 FL	C MTH U575 Group Theory	4.0 SH
Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 5 FL	MTH Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B CS U540 Computer Graphics	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	CS Undergraduate Elective	4.0 SH
Yr 5 SP	MTH Undergraduate Elective	4.0 SH
Yr 5 SP	MTH Undergraduate Elective	4.0 SH
	Semester Subtotal	17.0 SH

MDS 285 BS Computer Science and Multimedia Studies Div Z

Yr 1 FL	B CS U200 Discrete Structures	4.0 SH
	Coreq(s): B CS U201	
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH
	Coreq(s): B CS U212	
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH
	Coreq(s): B CS U211	
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ART U130 Visual Studies Foundation 1	4.0 SH
	Coreq(s): C ART U123	
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH
	Coreq(s): B CS U200	
Yr 1 FL	C ART U123 2D Tools: Imaging Basics	1.0 SH
	Semester Subtotal	19.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH
	Coreq(s): B CS U214	
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH
	Coreq(s): B CS U213	
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation	4.0 SH
	Coreq(s): B CS U291	
Yr 1 SP	B CS U291 Lab for CS U290	1.0 SH
	Coreq(s): B CS U290	
Yr 1 SP	C PSY U101 Foundations of Psychology	4.0 SH
Yr 1 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	19.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	B CS U430 Database Design	4.0 SH
Yr 2 FL	C ART U132 4D Foundation Coreq(s): C ART U133	4.0 SH
Yr 2 FL	C ART U133 4D Tools for ART U132 Coreq(s): C ART U132	1.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	C MMS U300 Narrative for MM	4.0 SH
Yr 2 SP	C MUS U220 Music and Technology 1	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	C MMS U305 Programming for MM	4.0 SH
Yr 3 FL	C MMS U400 Hypermedia Coreq(s): C MMS U401	4.0 SH
Yr 3 FL	C MMS U401 Web Tools: Intermediate Coreq(s): C MMS U400	1.0 SH
Yr 3 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 FL	BS Computer Science Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	C MMS U500 MMS History	4.0 SH
Yr 4 FL	BS Computer Science Elective	4.0 SH
Yr 4 FL	MMS Undergraduate Elective	4.0 SH
Yr 4 FL	MMS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 5 FL	B CS U670 Software Development	4.0 SH
Yr 5 FL	C MMS U700 Multimedia Capstone 1	4.0 SH
Yr 5 FL	C SOC U528 Computers and Society	4.0 SH
Yr 5 FL	MMS Undergraduate Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	B IS U570 Human Computer Interaction	4.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	C MMS U701 Multimedia Capstone 2	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

**MDS 286 BS Computer Science and Music Div 2
Conc in Music Tech**

Yr 1 FL	B CS U200 Discrete Structures Coreq(s): B CS U201	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1 Coreq(s): B CS U212	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211 Coreq(s): B CS U211	1.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	C MUS U201 Music Theory 1	4.0 SH
Yr 1 FL	C MUS U241 Musicianship 1	1.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200 Coreq(s): B CS U200	0.0 SH
	Semester Subtotal	19.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2 Coreq(s): B CS U214	4.0 SH
Yr 1 SP	B CS U214 Lab for CS U213 Coreq(s): B CS U213	1.0 SH
Yr 1 SP	B CS U290 Logic and Computation Coreq(s): B CS U291	4.0 SH
Yr 1 SP	B CS U291 Lab for CS U290 Coreq(s): B CS U290	1.0 SH
Yr 1 SP	C MUS U202 Music Theory 2	4.0 SH
Yr 1 SP	C MUS U242 Musicianship 2	1.0 SH
Yr 1 SP	C PSY U101 Foundations of Psychology	4.0 SH
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH
	Semester Subtotal	20.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 2 FL	C MUS U220 Music and Technology 1	4.0 SH
Yr 2 FL	C MUS U308 Principles of Music Literature	4.0 SH
Yr 2 FL	C MUS U903 Composition Lessons	1.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 2 SP	B CS U430 Database Design	4.0 SH
Yr 2 SP	C MUS U221 Music and Technology 2	4.0 SH
Yr 2 SP	C MUS U903 Composition Lessons	1.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 FL	C MUS U421 Digital Audio Processing	4.0 SH
Yr 3 FL	C MUS U903 Composition Lessons	1.0 SH
Yr 3 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 FL	CS Undergraduate Elective	4.0 SH
Yr 3 FL	MUS Undergraduate Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH

College of Computer and Information Science

Yr 3 S1	CO-OP	0.0 SH	Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH		Semester Subtotal	0.0 SH
Yr 3 S2	VACATION	0.0 SH	Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH		Semester Subtotal	0.0 SH
Yr 4 FL	C MUS U315 History of Electronic Music	4.0 SH	Yr 2 FL	B CS U370 Object-Oriented Design	4.0 SH
Yr 4 FL	C MUS U520 Interactive Real-Time Perf	4.0 SH	Yr 2 FL	C PHY U303 Modern Physics	4.0 SH
Yr 4 FL	C MUS U422 Music Comp Seminar 2	4.0 SH	Yr 2 FL	C PHY U371 Electronics	4.0 SH
Yr 4 FL	CS Undergraduate Elective	4.0 SH		Coreq(s): C PHY U372	
	Semester Subtotal	16.0 SH	Yr 2 FL	C PHY U372 Lab for PHY U371	0.0 SH
Yr 4 SP	CO-OP	0.0 SH		Coreq(s): C PHY U371	
	Semester Subtotal	0.0 SH	Yr 2 FL	B CS U290 Logic and Computation	4.0 SH
Yr 4 S1	CO-OP	0.0 SH		Coreq(s): B CS U291	
	Semester Subtotal	0.0 SH	Yr 2 FL	B CS U291 Lab for CS U290	1.0 SH
Yr 4 S2	VACATION	0.0 SH		Coreq(s): B CS U290	
	Semester Subtotal	0.0 SH		Semester Subtotal	17.0 SH
Yr 5 FL	B CS U670 Software Development	4.0 SH	Yr 2 SP	B CS U390 Theory of Computation	4.0 SH
Yr 5 FL	C MUS U610 Composition for Elec Instrmnts	4.0 SH	Yr 2 SP	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
Yr 5 FL	C MUS U903 Composition Lessons	1.0 SH		Coreq(s): C MTH U342	
Yr 5 FL	C SOC U528 Computers and Society	4.0 SH	Yr 2 SP	C PHY U305 Thermo & Statistical Mechanics	4.0 SH
Yr 5 FL	MUS Undergraduate Elective	4.0 SH	Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH		Semester Subtotal	16.0 SH
Yr 5 SP	B IS U570 Human Computer Interaction	4.0 SH	Yr 2 S1	VACATION	0.0 SH
Yr 5 SP	B CS U600 Senior Seminar	1.0 SH		Semester Subtotal	0.0 SH
Yr 5 SP	C MUS U611 Music Tech Cap/Senior Recital	4.0 SH	Yr 2 S2	CO-OP	0.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH		Semester Subtotal	0.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH	Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	17.0 SH		Semester Subtotal	0.0 SH
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MDS 282 BS Computer Science and Physics Div A					
Yr 1 FL	B CS U200 Discrete Structures	4.0 SH	Yr 3 SP	B CS U690 Algorithms & Data	4.0 SH
	Coreq(s): B CS U201		Yr 3 SP	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 1 FL	B CS U211 Fundamentals Computer Sci 1	4.0 SH	Yr 3 SP	C PHY U602 Electricity & Magnetism	4.0 SH
	Coreq(s): B CS U212		Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 1 FL	B CS U212 Lab for CS U211	1.0 SH		Semester Subtotal	16.0 SH
	Coreq(s): B CS U211		Yr 3 S1	C PHY U600 Advanced Physics Lab 1	4.0 SH
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH	Yr 3 S1	NU Core Course or Elective	4.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH		Semester Subtotal	8.0 SH
	Coreq(s): C PHY U162		Yr 3 S2	CO-OP	0.0 SH
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH		Semester Subtotal	0.0 SH
	Coreq(s): C PHY U161		Yr 4 FL	CO-OP	0.0 SH
Yr 1 FL	B CS U221 Comp/Info Science Overview 1	1.0 SH		Semester Subtotal	0.0 SH
Yr 1 FL	B CS U201 Recitation for CS U200	0.0 SH	Yr 4 SP	B CS U670 Software Development	4.0 SH
	Coreq(s): B CS U200		Yr 4 SP	C MTH U525 Applied Analysis	4.0 SH
	Semester Subtotal	19.0 SH	Yr 4 SP	C SOC U528 Computers and Society	4.0 SH
Yr 1 SP	B CS U213 Fundamentals of Computer Sci 2	4.0 SH	Yr 4 SP	PHY Undergraduate Elective	4.0 SH
	Coreq(s): B CS U214			Semester Subtotal	16.0 SH
Yr 1 SP	B CS U214 Lab for CS U213	1.0 SH	Yr 4 S1	NU Core Course or Elective	4.0 SH
	Coreq(s): B CS U213		Yr 4 S1	NU Core Course or Elective	4.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH		Semester Subtotal	8.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH	Yr 4 S2	CO-OP	0.0 SH
	Coreq(s): C PHY U166			Semester Subtotal	0.0 SH
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH	Yr 5 FL	CO-OP	0.0 SH
	Coreq(s): C PHY U165			Semester Subtotal	0.0 SH
Yr 1 SP	C ENG U111 College Writing	4.0 SH			
Yr 1 SP	B CS U222 Comp/Info Science Overview 2	1.0 SH			
	Semester Subtotal	19.0 SH			

Yr 5 SP	B CS U600 Senior Seminar	1.0 SH
Yr 5 SP	CS Undergraduate Elective	4.0 SH
Yr 5 SP	PHY Undergraduate Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH