

MDS 310 BA Mathematics Div A

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 2 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	C MTH U201 History of Mathematics	4.0 SH
Yr 2 SP	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
Yr 2 SP	Foreign Language Core Course	4.0 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
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 SP	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 SP	C MTH U300 Co-op Reflections Seminar 1	1.0 SH
Yr 3 SP	MTH U560 or MTH U430	4.0 SH
Yr 3 SP	Foreign Language Core Course	4.0 SH
Yr 3 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 S1	MTH 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 MTH U550 Real Analysis	4.0 SH
Yr 4 SP	C MTH U400 Co-op Reflections Seminar 2	1.0 SH
Yr 4 SP	NU Core course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 4 S1	Upper Division Elective	4.0 SH
Yr 4 S1	Upper Division 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	C MTH U575 Group Theory	4.0 SH
Yr 5 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 5 SP	MTH Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH

MDS 310 BA Mathematics Div B

Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 2 FL	Foreign Language Core Course	4.0 SH
	Semester Subtotal	17.0 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	C MTH U201 History of Mathematics	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
Yr 3 FL	NU Core Course or Elective	4.0 SH
Yr 3 FL	Foreign Language Core Course	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	MTH Elective	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 FL	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 4 FL	C MTH U400 Co-op Reflections Seminar 2	1.0 SH
Yr 4 FL	MTH U560 or MTH U430	4.0 SH
Yr 4 FL	Foreign Language Core Course	4.0 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	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 MTH U550 Real Analysis	4.0 SH
Yr 5 FL	MTH Elective	4.0 SH
Yr 5 FL	NU Core course or Elective	4.0 SH
Yr 5 FL	Upper Division Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	C MTH U575 Group Theory	4.0 SH
Yr 5 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 5 SP	Upper Division Elective	4.0 SH
Yr 5 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	16.0 SH

MDS 310 BA Mathematics Div C

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	Foreign Language Core Course	4.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	C MTH U201 History of Mathematics	4.0 SH
Yr 2 SP	MTH U560 or MTH U430	4.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
Yr 2 SP	Foreign Language Core Course	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	NU Core course or Elective	4.0 SH
Yr 3 FL	Foreign Language Core Course	4.0 SH
Yr 3 FL	MTH Elective	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	C MTH U550 Real Analysis	4.0 SH
Yr 3 SP	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 SP	NU Core course or Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 4 FL	Upper Division Elective	4.0 SH
Yr 4 FL	Upper Division Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	C MTH U575 Group Theory	4.0 SH
Yr 4 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 4 SP	MTH Elective	4.0 SH
Yr 4 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	16.0 SH

MDS 310 BS Mathematics**4 Year 1 Co-op**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	NU Core course or Elective	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal	16.0 SH

Yr 2 SP	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 2 SP	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

Yr 2 S1	C MTH U481 Probability and Statistics	4.0 SH
Yr 2 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 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	C MTH U550 Real Analysis	4.0 SH
Yr 3 SP	C MTH U575 Group Theory	4.0 SH
Yr 3 SP	C MTH U300 Co-op Reflections Seminar 1	1.0 SH
Yr 3 SP	NU Core course or Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 SH

Yr 3 S1	MTH Undergraduate 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	MTH Undergraduate Elective	4.0 SH
Yr 4 FL	MTH Undergraduate Elective	4.0 SH
Yr 4 FL	NU Core course or Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH

Yr 4 SP	MTH Undergraduate Elective	4.0 SH
Yr 4 SP	MTH Undergraduate Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH

MDS 310 BS Mathematics Div A

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH

Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH

Yr 2 SP	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 2 SP	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
Yr 2 SP	NU Core course or Elective	4.0 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	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	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 SP	C MTH U481 Probability and Statistics	4.0 SH
Yr 3 SP	C MTH U300 Co-op Reflections Seminar 1	1.0 SH
Yr 3 SP	MTH Elective	4.0 SH
Yr 3 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 3 S1	MTH 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 MTH U550 Real Analysis	4.0 SH
Yr 4 SP	C MTH U400 Co-op Reflections Seminar 2	1.0 SH
Yr 4 SP	MTH Elective	4.0 SH
Yr 4 SP	NU Core course or Elective	4.0 SH
Yr 4 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	17.0 SH
Yr 4 S1	MTH 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	C MTH U575 Group Theory	4.0 SH
Yr 5 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 5 SP	MTH Elective	4.0 SH
Yr 5 SP	Upper Division Elective	4.0 SH
	Semester Subtotal	16.0 SH
MDS 310 BS Mathematics Div B		
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U345 Ordinary Differential Equation	4.0 SH
Yr 3 FL	C MTH U575 Group Theory	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
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	MTH Elective	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 4 FL	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 4 FL	C MTH U481 Probability and Statistics	4.0 SH
Yr 4 FL	C MTH U400 Co-op Reflections Seminar 2	1.0 SH
Yr 4 FL	C MTH U550 Real Analysis	4.0 SH
Yr 4 FL	Upper Division 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	MTH Elective	4.0 SH
Yr 4 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal	8.0 SH
Yr 5 FL	MTH Elective	4.0 SH
Yr 5 FL	MTH Elective	4.0 SH
Yr 5 FL	Upper Division Elective	4.0 SH
Yr 5 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 5 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	Upper Division Elective	4.0 SH
Yr 5 SP	MTH Elective	4.0 SH
	Semester Subtotal	16.0 SH

MDS 310 BS Mathematics Div C

Yr 1 FL	C MTH U100 Mathematics at NU	1.0 SH
Yr 1 FL	C MTH U165 Intro to Math Reasoning	4.0 SH
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 1 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 1 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	18.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 1 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 1 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal	17.0 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	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 FL	C MTH U371 Linear Algebra	4.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 2 SP	C MTH U345 Ordinary Differential Equation	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
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	MTH Elective	4.0 SH
Yr 3 FL	MTH Elective	4.0 SH
Yr 3 FL	Upper Division Elective	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 SP	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 SP	MTH Elective	4.0 SH
Yr 3 SP	Upper Division Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 3 S1	VACATION	0.0 SH
	Semester Subtotal	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal	0.0 SH

Yr 4 FL	C MTH U550 Real Analysis	4.0 SH
Yr 4 FL	MTH Elective	4.0 SH
Yr 4 FL	NU Core course or Elective	4.0 SH
Yr 4 FL	Upper Division Elective	4.0 SH
	Semester Subtotal	16.0 SH
Yr 4 SP	C MTH U575 Group Theory	4.0 SH
Yr 4 SP	C MTH U725 Applied Mathematics Capstone	4.0 SH
Yr 4 SP	MTH Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal	16.0 SH