

**MDS 030 BSEE Electrical Engineering****4 year 1 Co-op**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers	4.0 SH
	Coreq(s): C CHM U152 C CHM U153	
Yr 1 FL	C CHM U153 Recitation for CHM U151	0.0 SH
	Coreq(s): C CHM U151 C CHM U152	
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1	4.0 SH
	Coreq(s): C PHY U152 C PHY U153	
Yr 1 SP	C PHY U152 Lab for PHY U151	1.0 SH
	Coreq(s): C PHY U151 C PHY U153	
Yr 1 SP	C PHY U153 Interact Learn for PHY U151	0.0 SH
	Coreq(s): C PHY U151 C PHY U152	
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 U343 Diff Eq and Lin Alg for Engr	4.0 SH
	Coreq(s): C MTH U344	
Yr 2 FL	C PHY U155 Physics for Engineering 2	4.0 SH
	Coreq(s): C PHY U156 C PHY U157	
Yr 2 FL	C PHY U156 Lab for PHY U155	1.0 SH
	Coreq(s): C PHY U155 C PHY U157	
Yr 2 FL	C PHY U157 Interact Learn for PHY U155	0.0 SH
	Coreq(s): C PHY U155 C PHY U156	
Yr 2 FL	A ECE U400 Linear Circuits	4.0 SH
	Coreq(s): A ECE U401	
Yr 2 FL	A ECE U401 Intro to ECE Lab	1.0 SH
	Coreq(s): A ECE U400	
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 SP	C MTH U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 2 SP	A ECE U322 Digital Logic Design	4.0 SH
	Coreq(s): A ECE U323	
Yr 2 SP	A ECE U323 Lab for ECE U322	1.0 SH
	Coreq(s): A ECE U322	
Yr 2 SP	A ECE U402 Electronics	4.0 SH
	Coreq(s): A ECE U403	
Yr 2 SP	A ECE U403 Lab for ECE U402	1.0 SH
	Coreq(s): A ECE U402	
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 S1	B CS U215 Algorithms, Data Structur Engr	4.0 SH
	Coreq(s): B CS U216	
Yr 2 S1	B CS U216 Lab for CS U215	1.0 SH
	Coreq(s): B CS U215	
Yr 2 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	9.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 3 FL	A ECE U464 Linear Systems	4.0 SH
Yr 3 FL	A ECE U440 Electromagnetic Fields & Waves	4.0 SH
	Coreq(s): A ECE U441	
Yr 3 FL	A ECE U441 Lab for ECE U440	1.0 SH
	Coreq(s): A ECE U440	
Yr 3 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 SP	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 3 SP	A ECE U300 Intro to Eng Coop Education	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
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 S1	A ECE U790 ECE Capstone 1	4.0 SH
Yr 3 S1	A ECE U572 Communications Systems	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	A ECE U792 ECE Capstone 2	4.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	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	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH

**MDS 030 BSEE Electrical Engineering Div A**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers	4.0 SH
	Coreq(s): C CHM U152 C CHM U153	
Yr 1 FL	C CHM U153 Recitation for CHM U151	0.0 SH
	Coreq(s): C CHM U151 C CHM U152	
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1	4.0 SH
	Coreq(s): C PHY U152 C PHY U153	
Yr 1 SP	C PHY U152 Lab for PHY U151	1.0 SH
	Coreq(s): C PHY U151 C PHY U153	
Yr 1 SP	C PHY U153 Interact Learn for PHY U151	0.0 SH
	Coreq(s): C PHY U151 C PHY U152	
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 PHY U155 Physics for Engineering 2 Coreq(s): C PHY U156 C PHY U157	4.0 SH	Yr 4 S1	A ECE U572 Communications Systems	4.0 SH
Yr 2 FL	C PHY U156 Lab for PHY U155 Coreq(s): C PHY U155 C PHY U157	1.0 SH	Yr 4 S1	A ECE U790 ECE Capstone 1	4.0 SH
Yr 2 FL	C PHY U157 Interact Learn for PHY U155 Coreq(s): C PHY U155 C PHY U156	0.0 SH		Semester Subtotal .....	8.0 SH
Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH	Yr 4 S2	CO-OP	0.0 SH
Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH		Semester Subtotal .....	0.0 SH
Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH	Yr 5 FL	CO-OP	0.0 SH
Yr 2 FL	NU Core course or Elective	4.0 SH		Semester Subtotal .....	0.0 SH
	Semester Subtotal .....	18.0 SH	Yr 5 SP	A ECE U792 ECE Capstone 2	4.0 SH
Yr 2 SP	C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342	4.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 2 SP	A ECE U402 Electronics Coreq(s): A ECE U403	4.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 2 SP	A ECE U403 Lab for ECE U402 Coreq(s): A ECE U402	1.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 2 SP	A ECE U322 Digital Logic Design Coreq(s): A ECE U323	4.0 SH		Semester Subtotal .....	16.0 SH
Yr 2 SP	A ECE U323 Lab for ECE U322 Coreq(s): A ECE U322	1.0 SH	<hr/> <b>MDS 030 BSEE Electrical Engineering Div N</b>		
Yr 2 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH	Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH	Yr 1 FL	C CHM U151 General Chem for Engineers Coreq(s): C CHM U152 C CHM U153	4.0 SH
	Semester Subtotal .....	19.0 SH	Yr 1 FL	C CHM U153 Recitation for CHM U151 Coreq(s): C CHM U151 C CHM U152	0.0 SH
Yr 2 S1	VACATION	0.0 SH	Yr 1 FL	A GE U110 Engineering Design	4.0 SH
	Semester Subtotal .....	0.0 SH	Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 2 S2	CO-OP	0.0 SH	Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	0.0 SH		Semester Subtotal .....	17.0 SH
Yr 3 FL	CO-OP	0.0 SH	Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
	Semester Subtotal .....	0.0 SH	Yr 1 SP	C PHY U151 Physics for Engineering 1 Coreq(s): C PHY U152 C PHY U153	4.0 SH
Yr 3 SP	A ECE U440 Electromagnetic Fields & Waves Coreq(s): A ECE U441	4.0 SH	Yr 1 SP	C PHY U152 Lab for PHY U151 Coreq(s): C PHY U151 C PHY U153	1.0 SH
Yr 3 SP	A ECE U441 Lab for ECE U440 Coreq(s): A ECE U440	1.0 SH	Yr 1 SP	C PHY U153 Interact Learn for PHY U151 Coreq(s): C PHY U151 C PHY U152	0.0 SH
Yr 3 SP	A ECE U464 Linear Systems	4.0 SH	Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH	Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH		Semester Subtotal .....	17.0 SH
	Semester Subtotal .....	17.0 SH	Yr 1 S1	VACATION	0.0 SH
Yr 3 S1	B CS U215 Algorithms, Data Structur Engr Coreq(s): B CS U216	4.0 SH		Semester Subtotal .....	0.0 SH
Yr 3 S1	B CS U216 Lab for CS U215 Coreq(s): B CS U215	1.0 SH	Yr 1 S2	VACATION	0.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH		Semester Subtotal .....	0.0 SH
	Semester Subtotal .....	9.0 SH	Yr 2 FL	C PHY U155 Physics for Engineering 2 Coreq(s): C PHY U156 C PHY U157	4.0 SH
Yr 3 S2	CO-OP	0.0 SH	Yr 2 FL	C PHY U156 Lab for PHY U155 Coreq(s): C PHY U155 C PHY U157	1.0 SH
	Semester Subtotal .....	0.0 SH	Yr 2 FL	C PHY U157 Interact Learn for PHY U155 Coreq(s): C PHY U155 C PHY U156	0.0 SH
Yr 4 FL	CO-OP	0.0 SH	Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH
	Semester Subtotal .....	0.0 SH	Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH
Yr 4 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH	Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH
Yr 4 SP	A ECE U468 Noise & Stochastic Processes	4.0 SH	Yr 2 FL	A ECE U300 Intro to Eng Coop Education	1.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	1.0 SH	Yr 2 FL	NU Core course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH		Semester Subtotal .....	19.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH	Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal .....	17.0 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 U341 Calculus 3 for Sci/Engr	4.0 SH
	Coreq(s): C MTH U342	
Yr 3 FL	A ECE U402 Electronics	4.0 SH
	Coreq(s): A ECE U403	
Yr 3 FL	A ECE U403 Lab for ECE U402	1.0 SH
	Coreq(s): A ECE U402	
Yr 3 FL	A ECE U322 Digital Logic Design	4.0 SH
	Coreq(s): A ECE U323	
Yr 3 FL	A ECE U323 Lab for ECE U322	1.0 SH
	Coreq(s): A ECE U322	
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 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	B CS U215 Algorithms, Data Structur Engr	4.0 SH
	Coreq(s): B CS U216	
Yr 3 S2	B CS U216 Lab for CS U215	1.0 SH
	Coreq(s): B CS U215	
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	9.0 SH
Yr 4 FL	A ECE U440 Electromagnetic Fields & Waves	4.0 SH
	Coreq(s): A ECE U441	
Yr 4 FL	A ECE U441 Lab for ECE U440	1.0 SH
	Coreq(s): A ECE U440	
Yr 4 FL	A ECE U464 Linear Systems	4.0 SH
Yr 4 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 FL	A ECE U500 Prof Issues in Engineering	1.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 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	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 4 S2	A ECE U790 ECE Capstone 1	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 5 FL	A ECE U572 Communications Systems	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 5 SP	A ECE U792 ECE 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
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH

**MDS 035 BSCompE Computer Engineering  
4 Year 1 Co-op**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers	4.0 SH
	Coreq(s): C CHM U152 C CHM U153	
Yr 1 FL	C CHM U153 Recitation for CHM U151	0.0 SH
	Coreq(s): C CHM U151 C CHM U152	
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1	4.0 SH
	Coreq(s): C PHY U152 C PHY U153	
Yr 1 SP	C PHY U152 Lab for PHY U151	1.0 SH
	Coreq(s): C PHY U151 C PHY U153	
Yr 1 SP	C PHY U153 Interact Learn for PHY U151	0.0 SH
	Coreq(s): C PHY U151 C PHY U152	
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 U343 Diff Eq and Lin Alg for Engr	4.0 SH
	Coreq(s): C MTH U344	
Yr 2 FL	C PHY U155 Physics for Engineering 2	4.0 SH
	Coreq(s): C PHY U156 C PHY U157	
Yr 2 FL	C PHY U156 Lab for PHY U155	1.0 SH
	Coreq(s): C PHY U155 C PHY U157	
Yr 2 FL	C PHY U157 Interact Learn for PHY U155	0.0 SH
	Coreq(s): C PHY U155 C PHY U156	
Yr 2 FL	B CS U215 Algorithms, Data Structur Engr	4.0 SH
	Coreq(s): B CS U216	
Yr 2 FL	B CS U216 Lab for CS U215	1.0 SH
	Coreq(s): B CS U215	
Yr 2 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 SP	C MTH U230 Discrete Math	4.0 SH
Yr 2 SP	A ECE U322 Digital Logic Design	4.0 SH
	Coreq(s): A ECE U323	
Yr 2 SP	A ECE U323 Lab for ECE U322	1.0 SH
	Coreq(s): A ECE U322	
Yr 2 SP	A ECE U400 Linear Circuits	4.0 SH
	Coreq(s): A ECE U401	
Yr 2 SP	A ECE U401 Intro to ECE Lab	1.0 SH
	Coreq(s): A ECE U400	
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 S1	NU Core Course or Elective	4.0 SH
Yr 2 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 3 FL	A ECE U324 Computer Architecture & Org	4.0 SH	Yr 2 FL	C PHY U155 Physics for Engineering 2	4.0 SH
Yr 3 FL	A ECE U326 Optimization Methods	4.0 SH		Coreq(s): C PHY U156 C PHY U157	
Yr 3 FL	A ECE U402 Electronics	4.0 SH	Yr 2 FL	C PHY U156 Lab for PHY U155	1.0 SH
	Coreq(s): A ECE U403			Coreq(s): C PHY U155 C PHY U157	
Yr 3 FL	A ECE U403 Lab for ECE U402	1.0 SH	Yr 2 FL	C PHY U157 Interact Learn for PHY U155	0.0 SH
	Coreq(s): A ECE U402			Coreq(s): C PHY U155 C PHY U156	
Yr 3 FL	NU Core Course or Elective	4.0 SH	Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr	4.0 SH
	Semester Subtotal .....	17.0 SH		Coreq(s): C MTH U344	
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH	Yr 2 FL	B CS U215 Algorithms, Data Structur Engr	4.0 SH
Yr 3 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH		Coreq(s): B CS U216	
Yr 3 SP	NU Core Course or Elective	4.0 SH	Yr 2 FL	B CS U216 Lab for CS U215	1.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH		Coreq(s): B CS U215	
Yr 3 SP	NU Core Course or Elective	4.0 SH	Yr 2 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH		Semester Subtotal .....	18.0 SH
Yr 3 S1	A ECE U790 ECE Capstone 1	4.0 SH	Yr 2 SP	C MTH U230 Discrete Math	4.0 SH
Yr 3 S1	C MTH U481 Probability and Statistics	4.0 SH	Yr 2 SP	A ECE U400 Linear Circuits	4.0 SH
	Semester Subtotal .....	8.0 SH		Coreq(s): A ECE U401	
Yr 3 S2	CO-OP	0.0 SH	Yr 2 SP	A ECE U401 Intro to ECE Lab	1.0 SH
	Semester Subtotal .....	0.0 SH		Coreq(s): A ECE U400	
Yr 4 FL	CO-OP	0.0 SH	Yr 2 SP	A ECE U322 Digital Logic Design	4.0 SH
	Semester Subtotal .....	0.0 SH		Coreq(s): A ECE U323	
Yr 4 SP	A ECE U792 ECE Capstone 2	4.0 SH	Yr 2 SP	A ECE U323 Lab for ECE U322	1.0 SH
Yr 4 SP	A ECE U628 Computer Networks	4.0 SH		Coreq(s): A ECE U322	
	Coreq(s): A ECE U629		Yr 2 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH
Yr 4 SP	A ECE U629 Internetworking Design Lab	1.0 SH	Yr 2 SP	NU Core Course or Elective	4.0 SH
	Coreq(s): A ECE U628			Semester Subtotal .....	19.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	1.0 SH	Yr 2 S1	VACATION	0.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH		Semester Subtotal .....	0.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH	Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal .....	18.0 SH		Semester Subtotal .....	0.0 SH
<b>MDS 035 BSCompE Computer Engineering Div A</b>			Yr 3 FL	CO-OP	0.0 SH
Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH		Semester Subtotal .....	0.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers	4.0 SH	Yr 3 SP	A ECE U324 Computer Architecture & Org	4.0 SH
	Coreq(s): C CHM U152 C CHM U153		Yr 3 SP	A ECE U402 Electronics	4.0 SH
Yr 1 FL	C CHM U153 Recitation for CHM U151	0.0 SH		Coreq(s): A ECE U403	
	Coreq(s): C CHM U151 C CHM U152		Yr 3 SP	A ECE U403 Lab for ECE U402	1.0 SH
Yr 1 FL	A GE U110 Engineering Design	4.0 SH		Coreq(s): A ECE U402	
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH	Yr 3 SP	A ECE U326 Optimization Methods	4.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH	Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH		Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH	Yr 3 S1	C MTH U481 Probability and Statistics	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1	4.0 SH	Yr 3 S1	NU Core Course or Elective	4.0 SH
	Coreq(s): C PHY U152 C PHY U153			Semester Subtotal .....	8.0 SH
Yr 1 SP	C PHY U152 Lab for PHY U151	1.0 SH	Yr 3 S2	CO-OP	0.0 SH
	Coreq(s): C PHY U151 C PHY U153			Semester Subtotal .....	0.0 SH
Yr 1 SP	C PHY U153 Interact Learn for PHY U151	0.0 SH	Yr 4 FL	CO-OP	0.0 SH
	Coreq(s): C PHY U151 C PHY U152			Semester Subtotal .....	0.0 SH
Yr 1 SP	C ENG U111 College Writing	4.0 SH	Yr 4 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH	Yr 4 SP	A ECE U628 Computer Networks	4.0 SH
	Semester Subtotal .....	17.0 SH		Coreq(s): A ECE U629	
Yr 1 S1	VACATION	0.0 SH	Yr 4 SP	A ECE U629 Internetworking Design Lab	1.0 SH
	Semester Subtotal .....	0.0 SH		Coreq(s): A ECE U628	
Yr 1 S2	VACATION	0.0 SH	Yr 4 SP	A ECE U500 Prof Issues in Engineering	1.0 SH
	Semester Subtotal .....	0.0 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 .....	18.0 SH

Yr 4 S1	A ECE U790 ECE Capstone 1	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	A ECE U792 ECE 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
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH

**MDS 035 BSCompE Computer Engineering Div N**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers	4.0 SH
	Coreq(s): C CHM U152 C CHM U153	
Yr 1 FL	C CHM U153 Recitation for CHM U151	0.0 SH
	Coreq(s): C CHM U151 C CHM U152	
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1	4.0 SH
	Coreq(s): C PHY U152 C PHY U153	
Yr 1 SP	C PHY U152 Lab for PHY U151	1.0 SH
	Coreq(s): C PHY U151 C PHY U153	
Yr 1 SP	C PHY U153 Interact Learn for PHY U151	0.0 SH
	Coreq(s): C PHY U151 C PHY U152	
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 PHY U155 Physics for Engineering 2	4.0 SH
	Coreq(s): C PHY U156 C PHY U157	
Yr 2 FL	C PHY U156 Lab for PHY U155	1.0 SH
	Coreq(s): C PHY U155 C PHY U157	
Yr 2 FL	C PHY U157 Interact Learn for PHY U155	0.0 SH
	Coreq(s): C PHY U155 C PHY U156	
Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr	4.0 SH
	Coreq(s): C MTH U344	
Yr 2 FL	A ECE U300 Intro to Eng Coop Education	1.0 SH
Yr 2 FL	B CS U215 Algorithms, Data Structur Engr	4.0 SH
	Coreq(s): B CS U216	
Yr 2 FL	B CS U216 Lab for CS U215	1.0 SH
	Coreq(s): B CS U215	
Yr 2 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	19.0 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 U230 Discrete Math	4.0 SH
Yr 3 FL	A ECE U400 Linear Circuits	4.0 SH
	Coreq(s): A ECE U401	
Yr 3 FL	A ECE U401 Intro to ECE Lab	1.0 SH
	Coreq(s): A ECE U400	
Yr 3 FL	A ECE U322 Digital Logic Design	4.0 SH
	Coreq(s): A ECE U323	
Yr 3 FL	A ECE U323 Lab for ECE U322	1.0 SH
	Coreq(s): A ECE U322	
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 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	A ECE U324 Computer Architecture & Org	4.0 SH
Yr 4 FL	A ECE U402 Electronics	4.0 SH
	Coreq(s): A ECE U403	
Yr 4 FL	A ECE U403 Lab for ECE U402	1.0 SH
	Coreq(s): A ECE U402	
Yr 4 FL	A ECE U326 Optimization Methods	4.0 SH
Yr 4 FL	A ECE U500 Prof Issues in Engineering	1.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 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 U481 Probability and Statistics	4.0 SH
Yr 4 S2	A ECE U790 ECE Capstone 1	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 5 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 5 FL	A ECE U628 Computer Networks	4.0 SH
	Coreq(s): A ECE U629	
Yr 5 FL	A ECE U629 Internetworking Design Lab	1.0 SH
	Coreq(s): A ECE U628	
Yr 5 FL	NU Core Course or Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 5 SP	A ECE U792 ECE 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
Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH

**MDS 038 BSEE or BSCompE Electrical/Computer Engineering 4 Year 1 Co-op**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers Coreq(s): C CHM U152 C CHM U153	4.0 SH
Yr 1 FL	C CHM U153 Recitation for CHM U151 Coreq(s): C CHM U151 C CHM U152	0.0 SH
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1 Coreq(s): C PHY U152 C PHY U153	4.0 SH
Yr 1 SP	C PHY U152 Lab for PHY U151 Coreq(s): C PHY U151 C PHY U153	1.0 SH
Yr 1 SP	C PHY U153 Interact Learn for PHY U151 Coreq(s): C PHY U151 C PHY U152	0.0 SH
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH
Yr 2 FL	C PHY U155 Physics for Engineering 2 Coreq(s): C PHY U156 C PHY U157	4.0 SH
Yr 2 FL	C PHY U156 Lab for PHY U155 Coreq(s): C PHY U155 C PHY U157	1.0 SH
Yr 2 FL	C PHY U157 Interact Learn for PHY U155 Coreq(s): C PHY U155 C PHY U156	0.0 SH
Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH
Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH
Yr 2 FL	B CS U215 Algorithms, Data Structur Engr Coreq(s): B CS U216	4.0 SH
Yr 2 FL	B CS U216 Lab for CS U215 Coreq(s): B CS U215	1.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 SP	C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342	4.0 SH
Yr 2 SP	C MTH U230 Discrete Math	4.0 SH
Yr 2 SP	A ECE U322 Digital Logic Design Coreq(s): A ECE U323	4.0 SH
Yr 2 SP	A ECE U323 Lab for ECE U322 Coreq(s): A ECE U322	1.0 SH
Yr 2 SP	A ECE U402 Electronics Coreq(s): A ECE U403	4.0 SH
Yr 2 SP	A ECE U403 Lab for ECE U402 Coreq(s): A ECE U402	1.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 S1	NU Core Course or Elective	4.0 SH
Yr 2 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 3 FL	A ECE U326 Optimization Methods	4.0 SH
Yr 3 FL	A ECE U464 Linear Systems	4.0 SH
Yr 3 FL	A ECE U440 Electromagnetic Fields & Waves Coreq(s): A ECE U441	4.0 SH
Yr 3 FL	A ECE U441 Lab for ECE U440 Coreq(s): A ECE U440	1.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 3 SP	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 3 SP	A ECE U324 Computer Architecture & Org	4.0 SH
Yr 3 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 S1	A ECE U790 ECE Capstone 1	4.0 SH
Yr 3 S1	A ECE U572 Communications Systems	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	A ECE U792 ECE Capstone 2	4.0 SH
Yr 4 SP	A ECE U628 Computer Networks Coreq(s): A ECE U629	4.0 SH
Yr 4 SP	A ECE U629 Internetworking Design Lab Coreq(s): A ECE U628	1.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	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
	Semester Subtotal .....	18.0 SH

**MDS 038 BSEE or BSCompE Electrical/Computer Engineering Div A**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers Coreq(s): C CHM U152 C CHM U153	4.0 SH
Yr 1 FL	C CHM U153 Recitation for CHM U151 Coreq(s): C CHM U151 C CHM U152	0.0 SH
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1 Coreq(s): C PHY U152 C PHY U153	4.0 SH
Yr 1 SP	C PHY U152 Lab for PHY U151 Coreq(s): C PHY U151 C PHY U153	1.0 SH
Yr 1 SP	C PHY U153 Interact Learn for PHY U151 Coreq(s): C PHY U151 C PHY U152	0.0 SH
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 PHY U155 Physics for Engineering 2 Coreq(s): C PHY U156 C PHY U157	4.0 SH
Yr 2 FL	C PHY U156 Lab for PHY U155 Coreq(s): C PHY U155 C PHY U157	1.0 SH
Yr 2 FL	C PHY U157 Interact Learn for PHY U155 Coreq(s): C PHY U155 C PHY U156	0.0 SH
Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH
Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH
Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH
Yr 2 FL	B CS U215 Algorithms, Data Structur Engr Coreq(s): B CS U216	4.0 SH
Yr 2 FL	B CS U216 Lab for CS U215 Coreq(s): B CS U215	1.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 SP	C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342	4.0 SH
Yr 2 SP	A ECE U402 Electronics Coreq(s): A ECE U403	4.0 SH
Yr 2 SP	A ECE U403 Lab for ECE U402 Coreq(s): A ECE U402	1.0 SH
Yr 2 SP	A ECE U322 Digital Logic Design Coreq(s): A ECE U323	4.0 SH
Yr 2 SP	A ECE U323 Lab for ECE U322 Coreq(s): A ECE U322	1.0 SH
Yr 2 SP	C MTH U230 Discrete Math	4.0 SH
Yr 2 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH
	Semester Subtotal .....	19.0 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	A ECE U440 Electromagnetic Fields & Waves Coreq(s): A ECE U441	4.0 SH
Yr 3 SP	A ECE U441 Lab for ECE U440 Coreq(s): A ECE U440	1.0 SH
Yr 3 SP	A ECE U464 Linear Systems	4.0 SH
Yr 3 SP	A ECE U326 Optimization Methods	4.0 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	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 SP	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 4 SP	A ECE U324 Computer Architecture & Org	4.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	1.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH

Yr 4 S1	A ECE U572 Communications Systems	4.0 SH
Yr 4 S1	A ECE U790 ECE Capstone 1	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	A ECE U792 ECE Capstone 2	4.0 SH
Yr 5 SP	A ECE U628 Computer Networks Coreq(s): A ECE U629	4.0 SH
Yr 5 SP	A ECE U629 Internetworking Design Lab Coreq(s): A ECE U628	1.0 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

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**MDS 038 BSEE or BSCompE Electrical/Computer Engineering Div N**

Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 1 FL	C CHM U151 General Chem for Engineers Coreq(s): C CHM U152 C CHM U153	4.0 SH
Yr 1 FL	C CHM U153 Recitation for CHM U151 Coreq(s): C CHM U151 C CHM U152	0.0 SH
Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 1 FL	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 1 SP	C PHY U151 Physics for Engineering 1 Coreq(s): C PHY U152 C PHY U153	4.0 SH
Yr 1 SP	C PHY U152 Lab for PHY U151 Coreq(s): C PHY U151 C PHY U153	1.0 SH
Yr 1 SP	C PHY U153 Interact Learn for PHY U151 Coreq(s): C PHY U151 C PHY U152	0.0 SH
Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
Yr 1 SP	C ENG U111 College Writing	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 PHY U155 Physics for Engineering 2 Coreq(s): C PHY U156 C PHY U157	4.0 SH	Yr 4 S2	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 2 FL	C PHY U156 Lab for PHY U155 Coreq(s): C PHY U155 C PHY U157	1.0 SH	Yr 4 S2	A ECE U790 ECE Capstone 1	4.0 SH
Yr 2 FL	C PHY U157 Interact Learn for PHY U155 Coreq(s): C PHY U155 C PHY U156	0.0 SH		Semester Subtotal .....	8.0 SH
Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH	Yr 5 FL	A ECE U324 Computer Architecture & Org	4.0 SH
Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH	Yr 5 FL	A ECE U572 Communications Systems	4.0 SH
Yr 2 FL	B CS U215 Algorithms, Data Structur Engr Coreq(s): B CS U216	4.0 SH	Yr 5 FL	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 2 FL	B CS U216 Lab for CS U215 Coreq(s): B CS U215	1.0 SH	Yr 5 FL	NU Core Course or Elective	4.0 SH
Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH		Semester Subtotal .....	16.0 SH
Yr 2 FL	A ECE U300 Intro to Eng Coop Education	1.0 SH	Yr 5 SP	A ECE U792 ECE Capstone 2	4.0 SH
	Semester Subtotal .....	20.0 SH	Yr 5 SP	A ECE U628 Computer Networks Coreq(s): A ECE U629	4.0 SH
Yr 2 SP	CO-OP	0.0 SH	Yr 5 SP	A ECE U629 Internetworking Design Lab Coreq(s): A ECE U628	1.0 SH
	Semester Subtotal .....	0.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 2 S1	CO-OP	0.0 SH	Yr 5 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	0.0 SH		Semester Subtotal .....	17.0 SH
Yr 2 S2	VACATION	0.0 SH	<hr/>		
	Semester Subtotal .....	0.0 SH	<b>MDS 036 BSEE Electrical Engineering and Physics Div A</b>		
Yr 3 FL	C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342	4.0 SH	Yr 1 FL	C MTH U241 Calculus 1 for Sci/Engr	4.0 SH
Yr 3 FL	A ECE U402 Electronics Coreq(s): A ECE U403	4.0 SH	Yr 1 FL	C CHM U151 General Chem for Engineers Coreq(s): C CHM U152 C CHM U153	4.0 SH
Yr 3 FL	A ECE U403 Lab for ECE U402 Coreq(s): A ECE U402	1.0 SH	Yr 1 FL	C CHM U153 Recitation for CHM U151 Coreq(s): C CHM U151 C CHM U152	0.0 SH
Yr 3 FL	A ECE U322 Digital Logic Design Coreq(s): A ECE U323	4.0 SH	Yr 1 FL	A GE U110 Engineering Design	4.0 SH
Yr 3 FL	A ECE U323 Lab for ECE U322 Coreq(s): A ECE U322	1.0 SH	Yr 1 FL	A GE U100 Intro to the Study of Engr	1.0 SH
Yr 3 FL	C MTH U230 Discrete Math	4.0 SH	Yr 1 FL	C PHY U161 Physics 1 Coreq(s): C PHY U162	4.0 SH
	Semester Subtotal .....	18.0 SH	Yr 1 FL	C PHY U162 Lab for PHY U161 Coreq(s): C PHY U161	1.0 SH
Yr 3 SP	CO-OP	0.0 SH		Semester Subtotal .....	18.0 SH
	Semester Subtotal .....	0.0 SH	Yr 1 SP	C MTH U242 Calculus 2 for Sci/Engr	4.0 SH
Yr 3 S1	CO-OP	0.0 SH	Yr 1 SP	C PHY U165 Physics 2 Coreq(s): C PHY U166	4.0 SH
	Semester Subtotal .....	0.0 SH	Yr 1 SP	C PHY U166 Lab for PHY U165 Coreq(s): C PHY U165	1.0 SH
Yr 3 S2	NU Core course or Elective	4.0 SH	Yr 1 SP	C ENG U111 College Writing	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH	Yr 1 SP	A GE U111 Engr Prob Solv and Comp	4.0 SH
	Semester Subtotal .....	8.0 SH		Semester Subtotal .....	17.0 SH
Yr 4 FL	A ECE U440 Electromagnetic Fields & Waves Coreq(s): A ECE U441	4.0 SH	Yr 1 S1	VACATION	0.0 SH
Yr 4 FL	A ECE U441 Lab for ECE U440 Coreq(s): A ECE U440	1.0 SH		Semester Subtotal .....	0.0 SH
Yr 4 FL	A ECE U464 Linear Systems	4.0 SH	Yr 1 S2	VACATION	0.0 SH
Yr 4 FL	A ECE U326 Optimization Methods	4.0 SH		Semester Subtotal .....	0.0 SH
Yr 4 FL	A ECE U500 Prof Issues in Engineering	1.0 SH	Yr 2 FL	C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH	Yr 2 FL	C MTH U343 Diff Eq and Lin Alg for Engr Coreq(s): C MTH U344	4.0 SH
	Semester Subtotal .....	18.0 SH	Yr 2 FL	A ECE U400 Linear Circuits Coreq(s): A ECE U401	4.0 SH
Yr 4 SP	CO-OP	0.0 SH	Yr 2 FL	A ECE U401 Intro to ECE Lab Coreq(s): A ECE U400	1.0 SH
	Semester Subtotal .....	0.0 SH	Yr 2 FL	C PHY U303 Modern Physics	4.0 SH
Yr 4 S1	CO-OP	0.0 SH		Semester Subtotal .....	17.0 SH
	Semester Subtotal .....	0.0 SH			

Yr 2 SP	C PHY U305 Thermo & Statistical Mechanics	4.0 SH
Yr 2 SP	A ECE U322 Digital Logic Design	4.0 SH
	Coreq(s): A ECE U323	
Yr 2 SP	A ECE U323 Lab for ECE U322	1.0 SH
	Coreq(s): A ECE U322	
Yr 2 SP	A ECE U402 Electronics	4.0 SH
	Coreq(s): A ECE U403	
Yr 2 SP	A ECE U403 Lab for ECE U402	1.0 SH
	Coreq(s): A ECE U402	
Yr 2 SP	A ECE U300 Intro to Eng Coop Education	1.0 SH
Yr 2 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	19.0 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	A ECE U440 Electromagnetic Fields & Waves	4.0 SH
	Coreq(s): A ECE U441	
Yr 3 SP	A ECE U441 Lab for ECE U440	1.0 SH
	Coreq(s): A ECE U440	
Yr 3 SP	A ECE U464 Linear Systems	4.0 SH
Yr 3 SP	C PHY U602 Electricity & Magnetism	4.0 SH
Yr 3 SP	NU Core course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 S1	B CS U215 Algorithms, Data Structur Engr	4.0 SH
	Coreq(s): B CS U216	
Yr 3 S1	B CS U216 Lab for CS U215	1.0 SH
	Coreq(s): B CS U215	
Yr 3 S1	C PHY U600 Advanced Physics Lab 1	4.0 SH
	Semester Subtotal .....	9.0 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	A ECE U468 Noise & Stochastic Processes	4.0 SH
Yr 4 SP	C ENG U302 Advanced Writing in Tech Prof	4.0 SH
Yr 4 SP	C PHY U617 Quantum Mechanics	4.0 SH
Yr 4 SP	A ECE U500 Prof Issues in Engineering	1.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 4 S1	A ECE U790 ECE Capstone 1	4.0 SH
Yr 4 S1	A ECE U572 Communications Systems	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	A ECE U792 ECE Capstone 2	4.0 SH
Yr 5 SP	PHY Advanced 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 .....	16.0 SH