

NRE Co-op Plan - Option 1 (9 Semesters of School)

NRE Undergraduate Curriculum (2008 - 2009) **

Rev1
3/11/08

Freshman Fall	C	L	T	Freshman Spring	C	L	T	Freshman Summer			
MATH 1501 Calculus 1	4	0	4	MATH 1502 Calculus 2	4	0	4	Co-Op			
ENG 1101 English Comp 1	3	0	3	ENG 1102 English Comp 2	3	0	3				
CHEM 1310 Chemistry	3	3	4	PHYS 2211 Physics 1	3	3	4				
History ⁵	3	0	3	CS 1371 Intro to Computing	3	0	3				
HPS 1040 Wellness	2	0	2	NRE 2110 Intro to NRE	2	0	2				
Total	15	3	16	Total	15	3	16				
Sophomore Fall	C	L	T	Sophomore Spring	C	L	T	Sophomore Summer			
MATH 2401 Calc 3	4	0	4	Co-Op				MATH 2403 Differential Equations	4	0	4
PHYS 2212 Physics 2	3	3	4					ECON Economics ¹	3	0	3
COE 2001 Statics	2	0	2					PHYS 2213 Intro to Modern Physics	3	0	3
MSE 2001 Engineering Materials	3	0	3					ECE 3710 Circuits & Electronics	2	0	2
Total	12	3	13					Total	12	0	12
Junior Fall	C	L	T	Junior Spring	C	L	T	Junior Summer			
NRE 3301 Radiation Physics	3	0	3	Co-Op				ME 3345 Heat Transfer	3	0	3
ME 3322 Thermo	3	0	3					COE 3001 Deformable Bodies	3	0	3
Social Science Elective	3	0	3					SS or HUM Elective ³	3	0	3
ME 3340 Fluids	3	0	3					Humanities Elective	3	0	3
ECE 3741 Instrum. & Elec. Lab	0	3	1					Total	12	0	12
Total	12	3	13								
Senior 1 Fall	C	L	T	Senior 1 Spring	C	L	T	Senior 1 Summer			
Co-Op				NRE 3212 NRE Fundamentals	3	0	3	Co-Op			
				NRE 3316 Rad Protection Eng	3	0	3				
				NRE 3112 Radiation Detection	2	3	3				
				ISYE/Math 3770 Statistics	3	0	3				
				ECE 3025 Electromagnetics	3	0	3				
				Total	14	3	15				
Senior 2 Fall	C	L	T	Senior 2 Spring	C	L	T	Notes:			
NRE 4214 Reactor Engineering	3	0	3	ISYE 3025 Engineering Econ	1	0	1	** See 2008 - 2009 NRE Curriculum Guide for exact classes and requirements. This is not the official curriculum guide. http://www.me.gatech.edu/undergraduate/degrees_bsre_curr.shtml			
Tech Elective ⁴	3	0	3	NRE 4232 NRE Design	1	9	4				
NRE 4328 Rad Sources & App	3	0	3	NRE 4206 Rad Physics Lab	1	3	2				
NRE 4204 Nuc Reactor Physics	4	0	4	Tech Elective ⁴	3	0	3				
Engineering Ethics ^{2,3}	3	0	3	Tech Elective ⁴	3	0	3				
Total	16	0	16	Total	9	12	13				

NRE Co-op Plan - Option 2 (9 Semesters of School)

NRE Undergraduate Curriculum (2008 - 2009) **

Freshman Fall <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">MATH 1501 Calculus 1</td> <td style="text-align: right;">4 0 4</td> </tr> <tr> <td>ENG 1101 English Comp 1</td> <td style="text-align: right;">3 0 3</td> </tr> <tr> <td>CHEM 1310 Chemistry</td> <td style="text-align: right;">3 3 4</td> </tr> <tr> <td style="padding-left: 20px;">History</td> <td style="text-align: right;">3 0 3</td> </tr> <tr> <td>HPS 1040 Wellness</td> <td style="text-align: right;">2 0 2</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">15 3 16</td> </tr> </table>	MATH 1501 Calculus 1	4 0 4	ENG 1101 English Comp 1	3 0 3	CHEM 1310 Chemistry	3 3 4	History	3 0 3	HPS 1040 Wellness	2 0 2	Total	15 3 16	Freshman Spring <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">MATH 1502 Calculus 2</td> <td style="text-align: right;">4 0 4</td> </tr> <tr> <td>ENG 1102 English Comp 2</td> <td style="text-align: right;">3 0 3</td> </tr> <tr> <td>PHYS 2211 Physics 1</td> <td style="text-align: right;">3 3 4</td> </tr> <tr> <td style="padding-left: 20px;">CS 1371 Intro to Computing</td> <td style="text-align: right;">3 0 3</td> </tr> <tr> <td>NRE 2110 Intro to NRE</td> <td style="text-align: right;">2 0 2</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">15 3 16</td> </tr> </table>	MATH 1502 Calculus 2	4 0 4	ENG 1102 English Comp 2	3 0 3	PHYS 2211 Physics 1	3 3 4	CS 1371 Intro to Computing	3 0 3	NRE 2110 Intro to NRE	2 0 2	Total	15 3 16	Freshman Summer <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">MATH 2401 Calc 3</td> <td style="text-align: right;">4 0 4</td> </tr> <tr> <td>PHYS 2212 Physics 2</td> <td style="text-align: right;">3 3 4</td> </tr> <tr> <td>COE 2001 Statics</td> <td style="text-align: right;">2 0 2</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">9 3 10</td> </tr> </table>	MATH 2401 Calc 3	4 0 4	PHYS 2212 Physics 2	3 3 4	COE 2001 Statics	2 0 2	Total	9 3 10
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NRE 4204 Nuc Reactor Physics	4 0 4																																	
ISYE 3025 Engineering Econ	1 0 1																																	
Total	14 0 14																																	
Humanities Elective	3 0 3																																	
NRE 4232 NRE Design	1 9 4																																	
NRE 4206 Rad Physics Lab	1 3 2																																	
Tech Elective	3 0 3																																	
Tech Elective	3 0 3																																	
Total	8 12 15																																	

NRE Co-op Plan - Option 3 (9 Semesters of School)

NRE Undergraduate Curriculum (2008 - 2009) **

Freshman Fall	C	L	T	Freshman Spring	C	L	T	Freshman Summer			
MATH 1501 Calculus 1	4	0	4	MATH 1502 Calculus 2	4	0	4	Off/Make-Up			
ENG 1101 English Comp 1	3	0	3	ENG 1102 English Comp 2	3	0	3				
CHEM 1310 Chemistry	3	3	4	PHYS 2211 Physics 1	3	3	4				
History	3	0	3	CS 1371 Intro to Computing	3	0	3				
HPS 1040 Wellness	2	0	2	NRE 2110 Intro to NRE	2	0	2				
Total	15	3	16	Total	15	3	16				
Sophomore Fall	C	L	T	Sophomore Spring	C	L	T	Sophomore Summer			
MATH 2401 Calc 3	4	0	4	MATH 2403 Differential Equations	4	0	4	Co-Op			
PHYS 2212 Physics 2	3	3	4	NRE 3212 Fundamentals of NRE	3	0	3				
COE 2001 Statics	2	0	2	PHYS 2213 Modern Physics	3	0	3				
MSE 2001 Engineering Materials	3	0	3	ECE 3710 Circuits & Electronics	2	0	2				
Total	12	3	13	Total	12	0	12				
Junior Fall	C	L	T	Junior Spring	C	L	T	Junior Summer			
NRE 3301 Radiation Physics	3	0	3	Co-Op				ME 3345 Heat Transfer	3	0	3
ME 3322 Thermo	3	0	3					COE 3001 Deformable Bodies	3	0	3
Social Science Elective	3	0	3					SS or HUM Elective	3	0	3
ME 3340 Fluids	3	0	3					Humanities Elective	3	0	3
ECE 3741 Instrum. & Elec. Lab	0	3	1					Total	12	0	12
Total	12	3	13								
Senior 1 Fall	C	L	T	Senior 1 Spring	C	L	T	Senior 1 Summer			
Co-Op				ECON Economics	3	0	3	Co-Op			
				NRE 3316 Rad Protection Eng	3	0	3				
				NRE 3112 Radiation Detection	2	3	3				
				ISYE/Math 3770 Statistics	3	0	3				
				ECE 3025 Electromagnetics	3	0	3				
				Total	14	3	15				
Senior 2 Fall	C	L	T	Senior 2 Spring	C	L	T	Notes:			
NRE 4214 Reactor Engineering	3	0	3	ISYE 3025 Engineering Econ	1	0	1	** See 2008 - 2009 NRE Curriculum Guide for exact classes and requirements. This is not the official curriculum guide. http://www.me.gatech.edu/undergraduate/degrees_bsre_curr.shtml			
Tech Elective	3	0	3	NRE 4232 NRE Design	1	9	4				
NRE 4328 Rad Sources & App	3	0	3	NRE 4206 Rad Physics Lab	1	3	2				
NRE 4204 Nuc Reactor Physics	4	0	4	Tech Elective	3	0	3				
Engineering Ethics	3	0	3	Tech Elective	3	0	3				
Total	16	0	16	Total	9	12	13				

NRE Co-op Plan - Option 4 (9 Semesters of School)

NRE Undergraduate Curriculum (2008 - 2009) **

Rev1
3/11/08

Freshman Fall	C	L	T	Freshman Spring	C	L	T	Freshman Summer			
MATH 1501 Calculus 1	4	0	4	MATH 1502 Calculus 2	4	0	4				
ENG 1101 English Comp 1	3	0	3	ENG 1102 English Comp 2	3	0	3				
CHEM 1310 Chemistry	3	3	4	PHYS 2211 Physics 1	3	3	4	MATH 2401 Calc 3	4	0	4
History	3	0	3	CS 1371 Intro to Computing	3	0	3	PHYS 2212 Physics 2	3	3	4
HPS 1040 Wellness	2	0	2	NRE 2110 Intro to NRE	2	0	2	COE 2001 Statics	2	0	2
Total	15	3	16	Total	15	3	16	Total	9	3	10
Sophomore Fall				Sophomore Spring	C	L	T	Sophomore Summer			
MATH 2403 Differential Equations	4	0	4	Co-Op				ME 3322 Thermo	3	0	3
PHYS 2213 Modern Physics	3	0	3		Economics	3	0	3			
NRE 3301 Radiation Physics	3	0	3		Social Science Elective	3	0	3			
ECE 3710 Circuits & Electronics	2	0	2		Engineering Ethics	3	0	3			
Total	15	0	15		Total	12	0	12			
Junior Fall	C	L	T	Junior Spring	C	L	T	Junior Summer			
Co-Op				NRE 3212 NRE Fundamentals	3	0	3	Co-Op			
				ME 3340 Fluids	3	0	3				
				NRE 3316 Rad Protection Eng	3	0	3				
				NRE 3112 Radiation Detection	2	3	3				
				Total	13	0	13				
Senior 1 Fall				Senior 1 Spring	C	L	T	Senior 1 Summer			
COE 3001 Deformable Bodies	3	0	3	Co-Op				Off / Make-Up / Co-Op			
ME 3345 Heat Transfer	3	0	3								
MSE 2001 Engineering Materials	3	0	3								
ISYE/Math 3770 Statistics	3	0	3								
Total	15	0	15								
Senior 2 Fall	C	L	T	Senior 2 Spring	C	L	T	Notes:			
NRE 4214 Reactor Engineering	3	0	3	NRE 4232 NRE Design	1	9	4	** See 2008 - 2009 NRE Curriculum Guide for exact classes and requirements. This is not the official curriculum guide.			
Tech Elective	3	0	3	NRE 4206 Rad Physics Lab	1	3	2	http://www.me.gatech.edu/undergraduate/degrees_bsre_curr.shtml			
NRE 4328 Rad Sources & App	3	0	3	Tech Elective	3	0	3				
NRE 4204 Nuc Reactor Physics	4	0	4	Tech Elective	3	0	3				
ISYE 3025 Engineering Econ	1	0	1	SS or HUM Elective	3	0	3				
Total	14	0	14	Total	8	12	15				