

Applied Physics BS and Engineering MS – Sample Curriculum Calendar

2009-2010 Academic Year, MDS #553, Division A, 4/27/09

Year-1 Fall '09

Course #	Course Title	SH
PHYS 1000	Intro to College	1
PHYS 1161/2	Physics 1 (w/Lab)	5
MATH 1341	Calculus 1 (Sci/eng)	4
ENGL 1111	College Writing	4
CHEM 1211/2	Chemistry 1 (w/Lab)	<u>5</u>
Total		19

Year-1 Spring '10

Course #	Course Title	SH
PHYU1165/6	Physics 2 (w/Lab)	5
MATH 1342	Calculus 2 (Sci/Eng)	4
GE 1111	Eng Prb Solv&Comp	4
XXXX xxxx	NU Core	<u>4</u>
Total		17

Year-1 Summer '10

No Classes
Vacation

Year-2 Fall '10

Course #	Course Title	SH
PHYS 2305†*	Thermo & Stat Physics	4
PHYS 2371/2	Electronics (w/Lab)	4
MATH 2321	Calculus 3 (Sci/Eng)	4
XXXX xxxx	NU Core	<u>4</u>
Total		16

Year-2 Spring '11

Course #	Course Title	SH
PHYS 2305†*	Modern Physics	4
EECE 2410/1	Linear Circuits/Intro to ECE lab	5
MATH 2351	Ordinary Diff Eqs	4
XXXX xxxx	NU Core	4
EXED 2000	Prof Dev for Co-Op	<u>1</u>
Total		18

Year-2 Summer-1 '11

No Classes	CO-OP
Vacation	

Year-3 Fall '11

CO-OP

Year-3 Spring '12

Course #	Course Title	SH
PHYS 3602	Electricity & Mag	4
EECE 2412/3	Electronics (w/Lab)	5
EECE 3464	Linear Syst (w/Lab)	5
ENGL 3301	Adv Writing	<u>4</u>
Total		18

Year-3 Summer-1 '12

CO-OP	CO-OP												
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PHYS 3600	Adv Phys Lab 1	4											
PHYS 3603	EM Waves & Optics	<u>4</u>											
Total		8											
Total	8 SH												

Year-4 Fall '12

CO-OP

Year-4 Spring '13

Course #	Course Title	SH
PHYS 5115	Quantum Mechanics	4
EECE 7200	Linear Sys Analysis	4
EECE 7204	Applied Prob & Stochastic Process	4
XXXX xxxx	Free Elective	<u>4</u>
Total		16

Year-4 Summer-1 '13

Vacation	Vacation												
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XXXX xxxx	NU Core	4											
XXXX xxxx	Free Elective	<u>4</u>											
Total		8											
Total	8 SH												

Year-5 Fall '13

Course #	Course Title	SH
EXED 4996	Experiential Edu	4
EECE xxxx	Graduate Elective	4
EECE xxxx	Graduate Elective	4
EECE xxxx	Graduate Elective	<u>4</u>
Total		16

Year-5 Spring '14

Course #	Course Title	SH
PHYS 5318	Adv Phys Lab 2	4
EECE xxxx	Graduate Elective	4
EECE xxxx	Graduate Elective	4
EECE xxxx	Graduate Elective	<u>4</u>
Total		16

Major Semester Hours: 115

Total Semester Hours: 152

(† scheduled in odd years only)
 (‡ scheduled in even years only)
 (* scheduled in both Fall and Spring)