LONG ISLAND UNIVERSITY

B.A. IN PHYSICS (PHY) (129 credits min.)

FALL 2005

Name: _____ SS#_____-_____-_____ **TERM ENTERED**: _____
LAST FIRST

Address:_____ NF_____ NT_____

Phone: (_ _ _) _ _ _-_ _ _ _ 2nd Phone: (_ _ _) _ _ _-_ _ _ _ Res. Hall: _____ Ext: _____

E-mail: _____ Transfer Credit: Awarded: ____ Applied: ____ Official / Unofficial (circle one)

Credits Remaining: _____ Date: _____ **Deficiencies:** Lang. 1 2 Math 1 2

COLLEGE CORE CURRICULUM – 34 CREDITS				
AREA	**COURSE**	**TERM**	**GR**	**CR**
LANGUAGE/LITERATURE (6 credits required in one subject area) LANG 1,2,3,4,11,12 (French, German, Italian, Spanish, Hebrew, Japanese, Russian) ENG 7, 8				
HISTORY/PHILOSOPHY (9 credits required, maximum 6 credits in one area) HIS 1, 2; HIS 3, 4 PHL 8, 13; PHL 25, 26				
POLITICAL SCIENCE/ECONOMICS (6 credits required in one subject area) ECO 11, 12; POL 1, 2				
SOCIAL SCIENCES (6 credits required in one subject area) PSY 1, 2**(Psychology);SOC 1,2(Sociology) ANP 1,2 (Anthropology); GGR1,2(Geography)				
LABORATORY SCIENCE (8 credits required in one area) BIO 1, 2; 7, 8 CHM 1,2; GLY 1,2 AST(PHY) 9,10; PHY 11,12 PSY 3,4**; ERS 1,2	**FULFILLED BY MAJOR**			
FINE ARTS (6 credits required, maximum 3 in one area) CMA 9; DAN 1, 8; CIN 11; THA 1, 42; MUS 1, 2; ART 1, 101				
MATH (3 credits required) MTH 1, 3, 5, 6, 7, 8, 14, 15, 16	**FULFILLED BY MAJOR**			
INTRO TO COLLEGE (1 credit required)	**COLL 101**			

**Students may take either PSY 1,2 or PSY 3,4 but NOT both

COMPETENCIES						
AREA	**EXAM**	**WRKSH**	**COURSE**	**TERM**	**GR**	**CR**
WRITING ENG 1, 1F, 1P, 1S						3
ENG 2, 2F, 2P						3
COMPUTER						
ORAL						
LIBRARY						

G.P.A. REQUIREMENTS: 2.0 OVERALL, 2.25 MAJOR

PHYSICS REQUIREMENTS			
COURSE (PRE-REQ)	**TERM**	**GR**	**CR**
PHY 3 (MTH 7 Pre- **or** Co-req) Univ. PHY 1			4
PHY 4 (PHY 3 & MTH 8 Pre- **or** Co-req) Univ. PHY 2			4
PHY 13 (PHY 4; co-req MTH 9) Thermo Dynamics			3
PHY 14 (PHY 4; co-req MTH 9) Modern Optics			3
PHY 17 (PHY 4, MTH 9) Mechanics 1			3
PHY 18 (PHY 17) Mechanics 2			3
PHY 19 (PHY 4; co-req MTH 9) Modern Physics 1			3
PHY 20 (PHY 19, co-MTH 21) Modern Physics 2			3
PHY 41 (PHY 4) Engineering Circuit Analysis			4
MTH 7 (MTH 3 **or** placement test) Calculus 1			4
MTH 8 (MTH 7) Calculus & Analytic Geometry 2			4
MTH 9 (MTH 8) Calculus & Analytic Geometry 3			4
MTH 21 (MTH 9) Differential Equations			4
		TOTAL	46

CO-RELATED SCIENCE REQUIREMENTS			
Choose Sequence in **One** Area: CHM 3,4; BIO 3, 4; ERS 1,2; or GGR 3,4			
			4
			4
		TOTAL	8

ELECTIVES- 29 credits			
MTH 23 (MTH 9) Fdns. Of Statistical Analysis **or** BIO 141 Biostatistics ***recommended***			
MTH 51 (MTH 9) Probability ***recommended*** **or** MTH 82 (MTH 8, 3 cr. CSC) Numerical Analysis			

Writing Across the Curriculum ("WAC") Requirement:
Prior to graduation, ALL students must complete ENG 1 & 2 plus;
Freshmen: 3 WAC courses (total 5 WAC)
Transfers: 0-59 crs. 3 WAC courses (total 5 WAC); **60-89 crs.** 2 WAC courses (total 4 WAC); **90+ crs.,** 1 WAC course (total 3 WAC)