LONG ISLAND UNIVERSITY

B.S. IN MATHEMATICS/PHYSICS: MPH (*PRE-ENGINEERING: PEM*) (129 credits min.)

Name: _____ ID#_____ **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, 3, 4 PHL 8, 13, 25, 26				
POLITICAL SCIENCE/ECONOMICS (6 credits required) 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) DAN 1, 8; CIN 11; THA 1, 42; MUS 1, 2; ART 1, 101; CMA 9				
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 ENG 2, 2F, 2P						3
						3
COMPUTER	**FULFILLED BY CSC IN MAJOR**					
ORAL						
LIBRARY						

MATHEMATICS REQUIREMENTS			
COURSE (PRE-REQ)	**TERM**	**GR**	**CR**
MTH 7 (MTH 3 or Placement Test*) Calculus and Geometry 1			4
MTH 8 (MTH 7*) Calculus and Geometry 2			4
MTH 9 (MTH 8*) Calculus & Geometry 3 **WAC**			4
MTH 21 (MTH 9) Differential Evaluations			4
***Minimum grade of C- required in pre-requisite course**			
FOUR UPPER LEVEL MATHEMATICS COURSES			
MTH			3
MTH			3
MTH			3
MTH			3
TOTAL 28			

PHYSICS			
PHY 3 (MTH 7 PRE- OR CO-REQ) Univ. PHY 1			4
PHY 4 (MTH 8 PRE- OR CO-REQ) Univ. PHY 2			4
PHY 13 (PHY 3, 4) Classical Thermodynamics			3
PHY 14 (PHY 3, 4) (co-req MTH 9) Modern Optics			3
PHY 17 (PHY 3, 4; MTH 9) Mechanics 1			3
PHY 19 (PHY 3, 4) (co-req MTH 9) Modern PHY 1			3
PHY 41 (PHY 4) Engineering circuit Analysis			4
TOTAL 24			

CO-RELATED SCIENCE REQUIREMENTS			
CHM 3 (MTH 3) Principles of Chemistry 1			4
CHM 4 (CHM 3) Principles of Chemistry 2			4
CSC 101 Invitation to Computer Science			3
TOTAL 11			

ELECTIVES (26 CREDITS)			

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

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)