LONG ISLAND UNIVERSITY

B.S. IN MATHEMATICS (129 credits min.)

FALL 2004

Name: _____ ID#_____ **TERM ENTERED**: _____
LAST FIRST

Address:_____ NF_____ NT_____

Home Phone: (_ _ _) _ _ _-_ _ _ _ Cell Phone: (_ _ _) _ _ _-_ _ _ _ E-mail: _____

Credits Remaining: _____ Transfer Credit: Awarded: ____ Applied: ____ Official / Unofficial (circle one)

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 PHI 8, 13, 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) ANT 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; THE 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	**FULFILLED BY CSC IN MAJOR**					
ORAL						
LIBRARY						

MATHEMATICS REQUIREMENTS

COURSE (PRE-REQ)	TERM	GR	CR
MTH 7 (MTH 3 **or** Placement Test)* Calculus I			4
MTH 8 (MTH 7)* Calculus & Analytic Geometry II			4
MTH 9 (MTH 8)* Calculus & Analytic Geo. III **WAC**	**FA**		4
MTH 20 (MTH 8) Sets, Logic & Math Structures	**FA**		3
MTH 21 (MTH 9) Differential Equations	**SP**		4
MTH 22 (MTH 8) Applied Linear Algebra **WAC**	**SP**		3
MTH 31 (MTH 9, Co-Req MTH 20) Adv. Calculus I	**Alt FA**		3
MTH 32 (MTH 9, Co-Req MTH 20) Adv. Calculus II	**Alt SP**		3
MTH 51 (MTH 9) Probability **WAC**	**SP**		3
MTH 71 (MTH 20) Algebraic Structures	**Alt FA**		3
MTH 90 (Senior Status & any 3 of: MTH 20, 21, 22, 51, 61, and 73) Mathematics Seminar	**FA**		1
CSC 101 Invitation to Computer Science			3
MTH Upper Level Elective			3
PHY 3 (MTH 7 Pre- **or** Co-Req.) Univ. Physics 1			4
PHY 4 (PHY 3) University Physics II			4
***Minimum grade of C- required in pre-requisite course** TOTAL 49			

CO-RELATED SCIENCE REQUIREMENT (12-13 credits required in Sciences – min. 6 crs. must be MTH)

MTH			3
MTH			3
MTH,CSC,SCIENCE			3
MTH,CSC,SCIENCE			3-4

TOTAL: 12 **or** 13

ELECTIVES (27-28 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)