LONG ISLAND UNIVERSITY

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

FALL 2004

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

Address:_____ NF_____ NT_____

Home Phone: (_ _ _) _ _ _-_ _ _ _ Cell Phone: (_ _ _) _ _ _-_ _ _ _ Email: _____

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 ENG 2, 2F, 2P						3
						3
COMPUTER						
ORAL						
LIBRARY						

CHEMISTRY REQUIREMENTS			
COURSE (PRE-REQ)	TERM	GR	CR
CHM 3 (MTH 3 Pre- **or** MTH 7 Co-) Prin of Chem 1			4
CHM 4 (CHM 3) Prin of Chem 2			4
CHM 5 (CHM 4) Inorganic Chemistry **WAC**			2
CHM 21 (CHM 4) Organic Chemistry 1			4
CHM 22 (CHM 21) Organic Chemistry 2			4
CHM 24 (CHM 22) Spectroscopic Identification			3
CHM 37 (CHM 4) Quantitative Analysis			4
CHM 38 (CHM 56) Analytical Instrumentation			4
CHM 48 (CHM 56) Adv. Inorganic Chemisty			4
CHM 55 (CHM 22 **or** 25, CHM 37, MTH 8, PHY 4) Physical Chemistry 1			4
CHM 56 (CHM 55) Physical Chemistry 2			4
CHM 71 (CHM 22 or 25) Basic Biochemistry			4
CHM 98 & 99 (CHM 56, perm. Instr.) Senior Research			4
CHM 57 (CHM 56, MTH 21, PHY 4) Quantum **or** CHM 85 (CHM 56) Adv. Organic Chemistry			2 3

TOTAL 51-52

CO-RELATED REQUIREMENTS			
MTH 7 (MTH 3 or placement test) Calculus 1			4
MTH 8 (MTH 7) Calculus 2			4
MTH 9 (MTH 8) Calculus 3 **WAC**			4
MTH 21 (MTH 9) Differential Equations			4
PHY 3 (MTH 7 Pre- **or** Co-Req.) Univ Physics 1			4
PHY 4 (PHY 3) University Physics 2			4

TOTAL 24

ELECTIVES - 13-14 credits			

NOTE: 129 credits are required for graduation; <u>students receiving the B.S. must complete 64 credits in liberal arts</u>. 128 credits for transfer students

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

WAC REQUIREMENT: Effective for students starting Fall 2000 and thereafter; 5 writing intensive courses are required for graduation. ENG 1 & 2 are included. Transfer students require 1 WI course/year.