

Major: BA-- Mathematics: Pure Mathematics Option

I. TOTAL UNIVERSITY ORIENTATION

UNV 101/102 University Orientation

Credit	Grade	Semester
1		

II. GENERAL STUDIES

A. Language and Reasoning

ENG 101 English Composition I
 ENG 102 English Composition II
 SPE 103 Interpersonal Communication
 MAT 131 Calculus I
 Foreign Language I
 Foreign Language II

Total

3		
3		
3		
5		
3		
3		
20		

B: Fine Arts and Letters (Select One)

ART 130 Introduction to Art **OR**
 MUS 130 Introduction o Music **OR**
 THE 130 Introduction to Theatre **OR**
 ENG 211 Introduction to Literature

Total

3		

C. Social and Behavioral Science (Select Two Courses)

POS 101 American Government **OR**
 FIN 101 Financial Literacy **OR**
 HIS 103 Western Civilization **OR**
 ECO 200 Survey of Economics **OR**
 PSY 200 General Psychology **OR**
 SOC 203 Principles of Sociology

Total

6		

D. Natural Sciences

BIO 101 Life Science
 PHY 211 General Physics I

Total

3		
5		
8		

E. Integrative Studies

IGS 200 Foundations of Cultures
 IGS 201 Convergence of Cultures

Select ONE COURSE from Below

IGS 300 Search for New Forms of Culture **OR**
 IGS 301 Studies in African Cultures **OR**
 IGS 302 Studies in Asian Cultures **OR**
 IGS 303 Studies in Latin American Cultures **OR**
 IGS 305 The Latino Experience **OR**
 COS 303 Human Perspective on Computing **OR**
 ENG 313 Non-Western Literature **OR**
 ENG/AAS Literature of African-Americans **OR**
 MAT 304 Perspectives on Mathematics **OR**
 MGT International Bus. Management/International Bus. Marketing **OR**
 MUS/AAS African-American Music **OR**
 MUS/AAS Jazz istory and LiteratureHistory and Literature **OR**
 MUS 333 Music of Africa and Asia

Total

3		
3		
9		
46		

TOTAL GENERAL STUDIES

III. MAJOR

A. Core Requirements

MAT 131	Calculus and Analytical Geometry II (Satisfied in General Studies)
MAT 132	Calculus and Analytical Geometry II
MAT 231	Multivariate Calculus
MAT 232	Differential Equations
MAT 300	Introduction to Advanced Mathematics
MAT 307	Linear Algebra

Credit Grade Semester

5		
3		
3		
3		
3		
17		

Total Core

B: Concentration/Specialization

MAT 401	Modern Algebra I
MAT 403	Real Analysis I
MAT 411	Topology
MAT 460	Mathematics Seminar
MAT ____	MAT 402 (Modern Algebra II) or MAT 404(Real Analysis II)

3		
3		
3		
3		
3		
15		

Total Concentration

C. Supporting Courses

PHY 211	General Physics I (Satisfied in General Studies)
PHY 212	General Physics II
COS 108	Principles of Computer Science I
MAT	MAT elective approved by the math faculty
MAT	MAT elective approved by the math faculty
MAT	MAT elective approved by the math faculty

5		
4		
3		
3		
3		
18		

Total Support Courses

TOTAL MAJOR

50

IV. FREE ELECTIVES

A. 300-400 Courses (Degree program must have at least 42 hours of 300-400 courses)

____	elective
____	elective
____	elective

9		

Total 300-400 Free Electives

B. Other Free Elective

____	elective
____	elective
____	elective
____	elective
____	elective
____	elective

14		

Total Free Electives

TOTAL DEGREE PROGRAM

120

Note: Courses beginning with a zero (0XX-Developmental courses) do not count toward graduation