

**Bachelor of Arts in Mathematics with Secondary Certification (8-12)
Curriculum Ladder**

UNV 101 or 102 University Orientation

1 or 3 Credit Hours

I. GENERAL STUDIES (46 credit hours)
(ENG 101,102 with a grade of “C” or higher)

Language and Reasoning		Credit Hours
ENG 101	English Composition I	3
ENG 102	English Composition II	3
SPE 103	Interpersonal Communication	3
MAT 131	Calculus and Analytic Geometry I	5
	Foreign Language I	3
	Foreign Language II	3
	Total	20
Fine Arts and Letters (Select One Course)		
ART 130	Introduction to Art	
MUS 130	Introduction to Music	
THE 130	Introduction to Theatre	
ENG 211	Introduction to Literature	
	Total	3
Social and Behavioral Sciences (Select Two Courses)		
POS 101	American Government	
FIN 101	Financial Literacy	
HIS 103	Western Civilization	
ECO 200	Survey of Economics	
PSY 200	General Psychology	
SCO 203	Principles of Sociology	
	Total	6
Natural Sciences		
BIO 101	Life Science OR	
CHE 109	Chemistry in Context	3
	AND	
PHY 211	General Physics I	5
	Total	8
Integrative Studies		
IGS 200	Foundations of Cultures	3
IGS 201	Convergence of Cultures	3
MAT 304	Perspectives on Mathematics	3
	Total	9

II. PROFESSIONAL EDUCATION

		Credit Hours
EDU 202	Foundation of Teaching and Education	3
EDU 203	Microcomputers/Media in Classroom	3
EDU 309	Test Prep	1
EDU 302	Child and Adolescent Development	3
EDU 303	Educational Assessment and Evaluation	3
EDU 304	Classroom/Learning Management	3
EDU 310	Introduction to Exceptional Children	3
EDU 411	Methods in Teaching HS Mathematics	3
EDU 430	Organization and Administration in Public Schools	3
EDU 445	Teaching HS Reading in the Content Areas	3
EDU 494	Supervised Teaching	12
	Total	40

III. CONCENTRATION/SPECIALIZATION

		Credit Hours
MAT 132	Calculus and Analytic Geometry II	5
MAT 231	Multivariate Calculus	3
MAT 300	Introduction to Advanced Math	3
MAT 307	Linear Algebra	3
MAT 312	Mathematical Programming	3
MAT 321	Probability and Statistics I	3
MAT 326	Modern Geometry	3
MAT 401	Modern Algebra I	3
COS 108	Principles of Comp. Science I	4
COS 310	Discrete Computing Structures	3
	Total	33

TOTAL DEGREE REQUIREMENTS: 120-122 Credit Hours