



DEPARTMENT OF MATHEMATICS

MARVIN D. AND JUNE SAMUEL BRAILSFORD
COLLEGE OF ARTS AND SCIENCES
PRAIRIE VIEW A&M UNIVERSITY

Undergraduate

Mathematics

(Secondary Teachers Certification Track)

Degree Plan

Catalog 2014 – 2016

(Effective: Fall 2014)

DEPARTMENT OF MATHEMATICS

Undergraduate Degree Plan, Catalog 2014 – 2016 (Effective Fall 2014)

Student's Name: _____ **Student ID #:** _____ **Gender:** Male ___ Female ___

Date of Birth: _____ **Marital Status:** Single ___ Married ___

Pxxx-xx-xxx

xx/xx/xxxx

Personal Home Address

Street: _____
City: _____
State: _____
Zip Code: _____
Phone: _____
E-mail: _____

Parent/Guardian

Name: _____
Street: _____
City: _____
State: _____
Zip code: _____
Phone: _____
E-mail: _____

Local/Campus Address:

Dorm/Street # _____
City: _____
State: _____
Zip Code: _____
Phone: _____
E-mail: _____

Career Objectives:

Classification: ___ Freshman ___ Sophomore ___ Junior ___ Senior
___ Special ___ Transfer

Major: Mathematics Second Major _____ **Minor:** _____

Initial Date of Enrollment:

at a College/University: Month _____ Year _____

at Prairie View A&M University: Month _____ Year _____

in the Mathematics Department: Month _____ Year _____

Scholarship: Source _____ Amount: _____
Source _____ Amount: _____
Source _____ Amount: _____

Advisors: 1. _____

Office: Bldg _____
Room # _____ Phone # _____

Advisors: 2. _____

Office: Bldg _____
Room # _____ Phone # _____

Prairie View A&M University
MARVIN D. AND JUNE SAMUEL BRAILSFORD
COLLEGE OF ARTS AND SCIENCES

DEPARTMENT OF MATHEMATICS
Undergraduate Degree Plan
(Secondary Teachers Certification Track BS Degree Requirements)

Effective: Fall 2014

I.	University Core Requirements	42 SCH
II.	Mathematics Core Requirements	43 SCH
III.	Support Area Requirements	24 SCH
IV.	Foreign Language Requirement	6 SCH
V.	Free Electives	6 SCH

Total # of SCH: **121 SCH**

I. University Core Requirements (42 SCH)

<u>Area</u>	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
010	Communication	6				
	ENGL 1123		Freshman Comp I			
	ENGL 1133		Freshman Comp II			
	ENGL 1143		Technical Writing			
020	Mathematics	3				
	MATH 1103		Contemporary Algebra			
	MATH 1113		College Algebra			
	MATH 1115		College Algebra & Trigonometry			
	MATH 1123		Trigonometry			
	MATH 1124		Calculus with Analytic Geometry I			
	MATH 1153		Finite Mathematics			
	MATH 2003		Elementary Statistics			
	MATH 2024		Calculus with Analytic Geometry II			
	MATH 2043		Differential Equations			
	MATH 2053		Discrete Mathematics			
	MATH 2153		Calculus-Business Life/Social Sciences			
	PSYC 2613		Statistics for Psychology			
030	Life and Physical Sciences	6				
	BIOL 1113		College Biology I			
	BIOL 1123		College Biology II			
	BIOL 1054		Human Anatomy and Physiology I			
	BIOL 1064		Human Anatomy and Physiology II			
	CHEM 1033		General Inorganic Chemistry I			
	CHEM 1053		Introduction to General Chemistry			
	CHEM 1063		Survey of Organic Chem and Biochem			
	PHSC 1123		Physical Science I			
	PHSC 2123		Physical Science II			
	PHYS 2113		General Physics I			
	PHYS 2123		General Physics II			
	PHYS 2513		University Physics I			
	PHYS 2523		University Physics II			

I. University Core Requirements (Continued)

<u>Area</u>	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
040	<i>Language, Philosophy and Culture</i>	3				
	ARCH 2233		History of Architecture I			
	ARCH 2243		History of Architecture II			
	ARTS 2223		History of Art I			
	ARTS 2233		History of Art II			
	DRAM 2123		Theatre History			
	ENGL 2153		Introduction to Literature			
	ENGL 2383		Survey of World Literature			
	ENGL 2333		Studies in Literature			
	HUMA 1303		Introduction to Humanities			
	HUMA 1403		Survey of Mexican-American Culture			
	PHIL 2023		Ethics			
	PHIL 2303		Critical Thinking			
	SPAN 2023		Intermediate Spanish II			
050	<i>Creative Arts</i>	3				
	DRAM 2213		African American Theatre I			
	DRAM 2223		African American Theatre II			
	ARCH 1253		Architecture Design I			
	ARTS 1203		Introduction to Visual Arts			
	ARTS 2283		African American Art			
	COMM 2643		Media Library			
	DRAM 1103		Introduction to Theatre			
	HCOL 1223		Honors Colloquium II			
	MUSC 1313		Music in Contemporary Life			
	MUSC 1213		Fundamentals of Music			
	MUSC 2333		African American Music			
	MUSC 2343		Survey of World Music			
060	<i>American History</i>	6				
	HIST 1313		U.S. to 1876			
	HIST 1323		U.S. – 1876 to Present			
	HIST 1333		History of Texas			
070	<i>Government/Political Science</i>	6				
	POSC 1113		American Government I			
	POSC 1123		American Government II			
080	<i>Social and Behavioral Science</i>	3				
	AGHR 1303		Land Grant System and Food Security			
	CHEG 2003		Economic Analysis and Tech Application			
	CRJS 1123		Crime in America			
	CRJS 1133		Principles of Criminal Justice			
	ECON 2113		Principles of Microeconomics			
	ECON 2123		Principles of Macroeconomics			
	GEOG 1113		Introduction to Geography			
	GEOG 2633		Cultural Geography			
	HDFM 2513		Childhood Disorders			
	HDFM 2533		Contemp Family in Cross Cultural Perspective			
	HDFM 2553		Human Development			

I. University Core Requirements (Continued)

<u>Area</u>	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
	POSC 2213		Blacks in American Political System			
	POSC 2503		Introduction to Global Issues			
	PSYC 1113		General Psychology			
	PSYC 2423		Developmental Psychology			
	PSYC 2513		Psychology of Personality			
	SOCG 1013		General Sociology			
	SOCG 2003		Minorities in American Society			
	SOCG 2043		Social Problems			
090	Professional Development (Select one course under each area)	6				
	Area One	3				
	COMP 1213		Computer Science I			
	CPET 1013		Computer Applications to Engineering Tech I			
	ELEG 1043		Computer Applications in Engineering			
	FINA 2103		Personal Financial Management and Planning			
	ECON 2003		Fundamentals of Economics			
	Area Two	3				
	ARCH 1273		Introduction to Multimedia Computing			
	COMM 1003		Fundamentals of Speech Communication			
	COMM 2603		Interpersonal Communication			
	COMP 1003		Digital Communication			
	CURR 1013		Principle of Effective Learning			
	HLTH 2003		Personal health and Wellness			
	MISY 1013		Info and Communication in the Digital Age			

II. Mathematics Major Required Courses (43 SCH)

	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
1.	MATH 1124	4	Calculus I			
2.	MATH 2024	4	Calculus II			
3.	MATH 2043	3	Differential Equations I			
4.	MATH 2053	3	Discrete Mathematics			
5.	MATH 3013	3	Modern Algebra			
6.	MATH 3014	4	Calculus III			
7.	MATH 3023	3	Probability & Statistics			
8.	MATH 3073	3	Linear Algebra			
9.	MATH 4001	1	Mathematics Colloquium			
10.	MATH 4053	3	Foundation (Teaching Capstone Course)			
11.	MATH 4063	3	Numerical Analysis			
12.	MATH 4083	3	Advanced Calculus I			
13.	*Mathematics 3000 and/or 4000 level Elective	3				
14.	*Mathematics 3000 and/or 4000 level Elective	3				

*Must be approved by mathematics department.

III. Support Area Requirements (24 SCH)

	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
1.	COMP 2003** or COMP 2143**	3	Intro to Web Design and Multimedia Introduction to Java			
2.	CUIN 3003***	3	Educational Foundations			
3.	CUIN 3013***	3	Educational Psychology			
4.	CUIN 4103***	3	Instruct Planning Assess			
5.	CUIN 4113***	3	Instr Meth & Class Manage			
6.	CUIN 4826***	6	Student Teaching I			
7.	(Writing) English	3	In addition to the University Core English and Speech requirements.			

** Cannot be the same as the one for the University Core Course in I, Area 090, Professional Development, Area One.

*** Before taking the CUIIN courses, candidates are check with policies of the College of Education in this regards.

IV. Foreign language Requirement (6 SCH, one sequence) Example

	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
1.	SPAN 1013	3	Elementary Spanish I			
2.	SPAN 1023	3	Elementary Spanish II			

V. Free Electives (6 SCH)

	<u>COURSE & NUMBER</u>	<u>SCH</u>	<u>DESCRIPTION</u>	<u>TRANS</u>	<u>GRADE</u>	<u>DATE</u>
	Free Electives	6				