



B.S. in Mathematics
MATHBS-MATHPURE.2014 (mrs 1061)
48 credits

Effective Date: 9/2014

Name of Student:		
Student ID #:		Graduation Date
Home Country:	<input type="checkbox"/> IWORK	
Advisor:	Name	Date

The Pure Mathematics track prepares students for careers in teaching, government service, industry, and research, or graduate study in mathematics. Math 308, Math 490R, and additional courses in Computer Science, Physics, and Chemistry are strongly recommended.

Core Requirements **42 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
MATH 112	Calculus I	5		F,W,S		
MATH 113	Calculus II	5	MATH 112	F,W		
MATH 214	Multivariable Calculus	5	MATH 113	W,S		
MATH 301	Foundations of Mathematics	3	MATH 112	F-even, W-even, S-odd		
MATH 321	Mathematical Statistics	3	MATH 214	F		
MATH 332	Introduction to Complex Variables	3	MATH 214	W-odd, S-even		
MATH 334	Differential Equations	3	MATH 214	W-even, S-odd		
MATH 343	Elementary Linear Algebra	3	MATH 112	F-odd, W-odd, S-even		
MATH 371	Abstract Algebra I	3	MATH 301	F		
MATH 372	Abstract Algebra II	3	MATH 371	W		
MATH 441	Introduction to Analysis I	3	MATH 214	F		
MATH 442	Introduction to Analysis II	3	MATH 441	W		

Mathematics Electives (Choose 6 credits from the following) **6 Credits**
 (Other courses may be approved by the Math Department Chair)

MATH 311	Introduction Numerical Methods	3	MATH 113	Variable		
MATH 490R	Mathematics Seminar	2		S		
PHYS 121	General Physics I	3	MATH 112 and either High School Trigonometry or MATH 111	F,W		
PHYS 220	General Physics II	3	PHYS 121 and completion of MATH 113 recommended	F,W		
PHYS 221	General Physics III	3	PHYS 121 and completion of MATH 113 recommended	S		
CIS 202	Object-Oriented Programming I	3	CIS 101	F,W,S		

Total Credits Mapped for Graduation:

Must have a minimum 2.0 cumulative GPA in these courses for graduation.

No more than one "D" grade will be allowed in any 300/400 level courses.