



B.S. in Mathematics
Pure Track
MATHBS-MATHPURE.2020 (mrs 1557)
48 credits

Effective Date: 01/2020

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 212	Calculus I	5		F,W,S		
MATH 213	Calculus II	5	MATH 212	F,W		
MATH 214	Multivariable Calculus	5	MATH 213	W,S		
MATH 301	Foundations of Mathematics	3	MATH 212	F-even, W-even, S-odd		
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 212	F-odd, W-odd, S-even		
MATH 421	Mathematical Statistics	3	MATH 214	F		
MATH 441	Introduction to Analysis I	3	MATH 214, 301	F		
MATH 442	Introduction to Analysis II	3	MATH 441	W		
MATH 471	Abstract Algebra I	3	MATH 301	F		
MATH 472	Abstract Algebra II	3	MATH 471	W		
Mathematics Electives (Choose 6 credits from the following) (Other courses may be approved by the Math Program Lead)						6 Credits
MATH 311	Introduction Numerical Methods	3	MATH 213	Variable		
MATH 490R*	Mathematics Seminar	2		S		
PHYS 121	Introduction to Newtonian Mechanics	3	MATH 212 and either High School Trigonometry or MATH 111, and Passing a Comprehensive Mathematics Exam during 1 st week of semester. Sample Math exam available in Canvas.	F,W		
PHYS 220	Introduction to Electricity and Magnetism	3	PHYS 121/L w/C- or better, (Completion of MATH 213 is recommended)	W-even		
PHYS 221	Introduction to Waves, Optics, and Modern Physics	3	PHYS 121/L w/C- or better, (Completion of MATH 213 is recommended)	W-odd		
CIS 202	Object-Oriented Programming I	3	CIS 101	F,W,S		
Total Credits Mapped for Graduation:						

*MATH 490R can be used a maximum of 4 credits as a Math elective

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

No “D” grades will be allowed in any 100/200 level courses.
No more than one “D” grade will be allowed in any 300/400 level courses.