Degree program: ___Bachelor of Science with a Major in Mathematics_____

Program Student Learning Outcomes

1. Students will be able to communicate effectively in written and oral forms, work successfully in teams, and understand ethical responsibilities.

2. Students will be able to think critically and be prepared for life-long learning.

3. Students will be able to continue graduate studies in Mathematics or related field.

4. Students will have a working understanding of the major disciplines in Mathematics, including Algebra, Analysis, Geometry/Topology, and Probability/Statistics. Students will also have the ability to read and write proofs and a working knowledge of mathematics software tools.

5. Students will be able to complete a written project, under the supervision of a faculty member, in an area of Mathematics chosen from Algebra, Analysis, Geometry/Topology, or Probability/Statistics.

De	egree Program: Program-level outo		 I = Students are INTRODUCED to material E = The material is EMPHASIZED and taught in depth R = The material is REINFORCED with additional exposure to the information A = The Competencies/Skills are being 				
List of courses required for the degree	#1 Students will be able to communicate effectively in written and oral forms, work successfully in teams, and understand ethical responsibilities.	#2 Students will be able to think critically and be prepared for life- long learning.	#3 Students will be able to continue graduate studies in Mathematics or related field.	#4 Students w a working understanding of major disciplin Mathematics, including Alge Analysis, Geometry/Tope and Probability/Sta Students will a have the ability and write proof working knowl mathematics so	es in bra, blogy, tistics. lso v to read fs and a edge of	able to complete a written project, under the supervision of a faculty member, in an area of Mathematics chosen from Algebra, Analysis, Geometry/Topology, or Probability/Statistics.	
MATH 2413		I	Ι	Ι			
MATH 2414		Ε	Ε	Ε			
MATH 2415		Ε	Ε	Ε			
COSC 1336	Ι	Ι					
COSC 1136	Ι	Ι					
MATH 3310		Ι	Ι	Ι			
MATH 3330		Ε	E	Ε			
MATH 3360	Ι	Ι	Ι	Ι			

Worksheet #2 – Program Checklist – List required courses and indicate level/s of delivery By putting (I, E, R or A) into Each Box (I, G, L, L, L, B)

MATH 3365		Ι	Ι	Ι	
MATH 4310		Ε	Ε	Ε	
MATH 4335		Ε	Ε	Ε	
MATH 4345	Ι	Ε	Ε	Ε	Ι

Worksheet #3 - Order Courses by Outcome and Level of Delivery (Courses may be listed more than once) Indicate level of delivery by checking the appropriate box) Add cells as necessary

Degree Program:	Bachelor of Science with a Ma	jor in Mathematics_
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Program-level outcome	Level of Material		erial	Courses	Curriculum	Means of Assessment	
addressed (write out each	Delivery (List		ist	List courses (or groups of courses)	Component/s (Class		
program level outcome)	classes in order of		er of	in order of material delivery for	Activities) that Address		
	material delivery)		ery)	each outcome (I, E, R and then A).	Outcome		
	Ι	Ε	R	Α	Courses may provide more than one		
					level of material delivery.		
#1 Students will be able	Χ				COSC 1336		
to communicate	Χ				COSC 1136		
effectively in written	Χ				MATH 3360		
and oral forms, work	Χ				MATH 4345		
successfully in teams,							
and understand ethical							
responsibilities.							
#2 Students will be able	Χ				MATH 2413		
to think critically and be	Χ				COSC 1336		
prepared for life-long	Χ				COSC 1136		
learning.	Χ				MATH 3310		
icarining.	Χ				MATH 3360		
	Χ				MATH 3365		
		Χ			MATH 2414		
		Χ			MATH 2415		
		Χ			MATH 3330		
		Χ			MATH 4310		
		Χ			MATH 4335		
		Χ			MATH 4345		
#3 Students will be	Χ				MATH 2413		
able to continue	Χ				MATH 3310		
	Χ				MATH 3360		

graduate studies in	X	MATH 3365	
Mathematics or related	X	MATH 2414	
field.	X	MATH 2415	
	X	MATH 3330	
	X	MATH 4310	
	X	MATH 4335	
	X	MATH 4345	
#4 Students will have a	X	MATH 2413	
working understanding	X	MATH 3310	
of the major disciplines	X	MATH 3360	
in Mathematics,	X	MATH 3365	
	X	MATH 2414	
including Algebra,	X	MATH 2415	
Analysis,	X	MATH 4310	
Geometry/Topology,	X	MATH 4335	
and	X	MATH 4345	
Probability/Statistics.			
Students will also have			
the ability to read and			
write proofs and a			
working knowledge of			
mathematics software			
tools.			
# 5 0(1 ('111 11	X	MATH 4345	
#5 Students will be able	Δ	MATH 4545	
to complete a written			
project, under the			
supervision of a faculty			
member, in an area of			
Mathematics chosen	- -		
from Algebra, Analysis,	- -		
Geometry/Topology, or			
Probability/Statistics.			
riobaomity/Statistics.			

Worksheet #4 - Needed Modifications, if any, for Curriculum Alignment

Goal: Degree programs are coherent in that they demonstrate 1) sequencing, 2. progression or increasing complexity, and 3) linkages between and among program core courses.

Curriculum Modifications Needed	Why Needed?
We do not think that we need to modify this program at this time, but we will reconsider this question during Fall 2008.	