



College of Natural Sciences & Mathematics

Bachelor of Science - Mathematical Biology

Four-Year Academic Map – 2014-2015

Year 1	Semester 1			Semester 2			Total	
	BIOL 1161	Introduction to Biological Science Lab	1	BIOL 1162	Introduction to Biological Science Lab	1		
	BIOL 1361	Introduction to Biological Science	3	BIOL 1362	Introduction to Biological Science	3		
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fundamentals of Chemistry Lab	1		
	CHEM 1331	Fundamentals of Chemistry	3	CHEM 1332	Fundamentals of Chemistry	3		
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4		
	ENGL 1303	First-Year Writing I	3	ENGL 1304	First-Year Writing II	3		
Semester Hours			15	Semester Hours			15	

Year 2	Semester 1			Semester 2			Total	
	BIOL 3301	Genetics	3	BIOL 3311	Genetics Laboratory	3		
	CHEM 3221	Fund. of Organic Chemistry Lab	2	MATH 2331	Linear Algebra	3		
	CHEM 3331	Fundamentals of Organic Chemistry	3	Elective	Approved Electives	6		
	MATH 2433	Calculus III	4	CORE	Creative Arts	3		
	CORE	Social & Behavioral Sciences	3					
Semester Hours			15	Semester Hours			15	

Year 3	Semester 1			Semester 2			Total	
	BCHS 3304	General Biochemistry	3	BIOL 3324	Human Physiology	3		
	BIOL 3306	Evolutionary Biology	3	MATH 3338	Probability	3		
	MATH 3331	Differential Equations	3	MATH 3339	Statistics for the Sciences	3		
	PHYS 1121	Physics Laboratory I	1	PHYS 1122	Physics Laboratory I	1		
	PHYS 1321	University Physics I	3	PHYS 1322	University Physics I	3		
	HIST 1377	The United States to 1877	3	HIST 1378	The United States since 1877	3		
Semester Hours			16	Semester Hours			16	

Year 4	Semester 1			Semester 2			Total	
	BIOL 4374	Cell Biology	3	Elective	Approved Electives	7		
	MATH	4000-level MATH Elective	3	POLS 1337	US Govt: Congress, President & Courts	3		
	POLS 1336	US/TX Constitutions and Politics	3	BIOL 4309 or	Mathematical Biology	3		
	CORE	Language, Philosophy & Culture	3	MATH 4309				
	BIOL 4310	Biostatistics	3					
Or MATH 4310								
Semester Hours			15	Semester Hours			13	28
							120	

Students should meet with their academic advisor to formulate their own plan.

