

## Bachelor of Science in Applied and Computational Mathematics--Biomathematics track

To qualify for a Bachelor of Science in Applied and Computational Mathematics--Biomathematics track, the student must achieve a grade of C or better on all required and elective courses. Courses may be counted toward both Major and General Requirements. However, no course may fulfill two categories of General Requirements. (If you use any course for both Major and General Requirements, be sure to count the credits only ONCE toward the degree total.)

### Required Courses (48 credits)

Course Title	Course Number	Credits	Sem/YR	Senior Review
Calculus I, II, III	640:121, 122, 221	12		
Linear Algebra OR Linear Algebra with Applications	640:250 OR 640:253	3		
General Biology I AND Lab	120:101 AND 107	4		
General Biology II AND Lab	120:102 AND 108	4		
Programming Fundamentals	198:111	4		
Mathematical Foundations of Computer Science	198:171	3		
Explore Careers in Mathematics	640:199	1		
Explore Careers in Biology	120:199	1		
Elementary Differential Equations	640:314	3		
Probability and Stochastic Processes	640:331	3		
<b>Total</b>		<b>38</b>		

### Mid-level Elective courses (6 credits; choose 2 courses)

Data Structures	198:213	3		
Applied Statistics	960:336	3		
Introduction to Computational Mathematics	640:357	3		
Cell Biology	120:334	3		
Genetics	120:307	3		
<b>Total</b>		<b>6</b>		

### 400-level Elective Courses (12 credits)

Any four Mathematics (640), Statistics (960), or Computer Science (198) courses at 400-level				
		3		
		3		
		3		
		3		
<b>Total Credits</b>		<b>56</b>		