

**Department of Mathematics**  
**Biomathematics**  
**Checklist for Bachelor's degree**

Student \_\_\_\_\_ SS# \_\_\_\_\_  
 email \_\_\_\_\_

Core mathematics and programming courses	Term	Grade	hrs
MAC 2311 Calculus with Analytic Geometry I			4
MAC 2312 Calculus with Analytic Geometry II			4
MAC 2313 Calculus with Analytic Geometry III			5
MAP 2302 Ordinary Differential Equations			3
MAS 3105 Applied Linear Algebra I			4
COP 3014 C++ Programming or other appropriate program language			3
STA 4321 Introduction to Mathematical Statistics			3

Note: MAP 3305/3306 Engineering Mathematics I and II can substitute for Ordinary Differential Equations and Applied Linear Algebra

**Biomathematics Courses**

MAP 2480 Biocalculus Computer Lab (in conjunction with Calc I)			1
MAT 4931 Mathematical Modeling in Biology			3

**Collateral courses**

BSC 2010 & L Biological Science I and lab			4
BSC 2011 Biological Science II			3
CHM 1045 & L General Chemistry I and lab			4
PHY 2048C General Physics A (with lab)			5
PCB 3063 Genetics (prerequisite CHM 1046C) or BSC 4933 Bioinformatics or Other approved upper division			3

Five additional courses chosen from upper level math and/or collateral biology/chemistry.

At least 2 courses must be upper level (3/4000 level) math courses

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