

### Major Requirements

Lower Division Requirements	Pre-Req	Units	Note
CIS268 Computer Programming Languages	-	3	Spring only
MAT245 Analytical Geometry & Calculus I	MAT135 or 145	4	
MAT250 Modeling & Applications of Calculus	MAT245	2	Spring only
MAT255 Analytical Geometry & Calculus II	MAT245	4	
PHY214 Physics for Scientists I w/Lab	MAT245 & Exam	4	Fall only
PHY224 Physics for Scientists II w/Lab	PHY214	4	Spring only

Upper Division Requirements	Pre-Req	Units	Note
MAT313 Mathematical Proofs & Structures	MAT245	3	Fall only
MAT323 Modern Algebra	MAT313	4	Spring only (even years)
MAT343 Multivariable Calculus	MAT255	4	
MAT403 Linear Algebra	MAT313	3	Spring only (even years)
MAT413 Differential Equations	MAT255	3	Spring only
MAT443 Advanced Calculus	MAT313	3	Spring only (odd years)

Concentration Requirements	Pre-Req	Units	Note
MAT333 Complex Variables	MAT313	3	Spring only (even years)
MAT423 Introduction to Topology	MAT313	3	Fall only (even years)
MAT453 Numerical Analysis	MAT255	3	Fall only (odd years)
One additional upper division mathematics course	Classes vary	3	See catalog

**Total Major Units:** 53

**Upper Division Major Units:** 32

### General Education Requirements

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	MAT313* will fulfill
Technology	3	CIS268 will fulfill
Foreign Language I	3	
Foreign Language II	3	

If you are exempt from a Competency Requirement, add those units to Additional Elective Units Needed.

Core Curriculum	Units	Note
Behavioral Science	6	
English Composition	3	ENG123 required
English or Film	3	
Communication Arts	3	
Art or Music	3	
Philosophy	3	
US History	3	
Non-US History	3	
Political Science	3	
Lab Science	4	PHY214 will fulfill
Science or Kinesiology	4	PHY224 will fulfill
Christian Studies	9	

\*Course is interdisciplinary

<b>Upper Division Requirements</b>	<b>12</b>	
<b>Interdisciplinary Requirements</b>	<b>9</b>	MAT313 will fulfill 3 units
<b>Multicultural Requirements</b>	<b>9</b>	ENG123 will fulfill 3 units

**Total Required GE units:** 48

**Upper Division Required GE Units:** 12

**Additional Elective Units Needed:** 23

**Upper Division Elective Units Needed:** 0

### About This Plan

- This plan is not a contract. Curriculum can be subject to change.
- Highlighted courses and fields are major specific.
- Descriptions for all courses can be found in the CBU catalog at [www.calbaptist.edu/about/universitycatalogs.aspx](http://www.calbaptist.edu/about/universitycatalogs.aspx).
- To graduate, all students need 124 total units, 39 of which must be upper division.
- Courses numbered in the 300's and 400's are upper division.
- GST100, ENG103, and MAT095 count as elective units.

### Contact Information

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**Freshman Year**

**Sophomore Year**

Fall Semester		Spring Semester		Summer Semester	
MAT245 Analytical Geometry & Calculus I	4	CIS268 Computer Programming Languages	3		
CIS265 Information Systems Essentials	3	MAT250 Modeling & Applications of Calculus	2		
ENG113 Composition	3	MAT255 Analytical Geometry & Calculus II	4		
GST100 Focus	1	ENG123 Intermediate Composition	3		
General Education Course	3	General Education Course	3		
		Elective	1		
Total Units: <u>14</u>		Total Units: <u>16</u>		Total Units: <u>    </u>	

Fall Semester		Spring Semester		Summer Semester	
MAT313 Mathematical Proofs & Structures	3	MAT343 or MAT323 (depending on year)	4		
PHY214 Physics for Scientists I w/Lab	4	PHY224 Physics for Scientists II w/Lab	4		
General Education Course	3	Upper Division General Education Course	3		
General Education Course	3	General Education Course	3		
General Education Course	3	Elective	1		
Total Units: <u>16</u>		Total Units: <u>15</u>		Total Units: <u>    </u>	

**Junior Year**

**Senior Year**

Fall Semester		Spring Semester		Summer Semester	
MAT453 or MAT423 (depending on year)	3	MAT323 or MAT343 (depending on year)	4		
Upper Division General Education Course	3	MAT333 or MAT413 (depending on year)	3		
Upper Division General Education Course	3	MAT403 or MAT443 (depending on year)	3		
General Education Course	3	General Education Course	3		
General Education Course	3	Elective	3		
Elective	1				
Total Units: <u>16</u>		Total Units: <u>16</u>		Total Units: <u>    </u>	

Fall Semester		Spring Semester		Summer Semester	
MAT423 or MAT453 (depending on year)	3	MAT413 or MAT333 (depending on year)	3		
Upper Division Mathematics Course	3	MAT443 or MAT403 (depending on year)	3		
Upper Division General Education Course	3	General Education Course	3		
Elective	3	Elective	3		
Elective	3	Elective	3		
Elective	1				
Total Units: <u>16</u>		Total Units: <u>15</u>		Total Units: <u>    </u>	

**Total Units: 124 (124 units required to graduate)**