

**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
MAT101 Orientation to the Discipline	-	1	Spring only
MAT333 Complex Variables	MAT313	3	Spring only (even years)
MAT353 Probability & Statistics	MAT245	3	Fall only (even years)
MAT363 History of Math & Theory of Numbers	Pre or Co: MAT313	3	Fall only (odd years)
MAT463 Fundamental Concepts of Geometry	MAT313	3	Spring only (odd years)
MAT499 Capstone	-	4	Dean's consent needed

**Total Major Units: 58**

**Upper Division Major Units: 32**

**General Education Requirements**

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	MAT363* 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>	<b>MAT363 will fulfill 3 units</b>
<b>Multicultural Requirements</b>	<b>9</b>	<b>ENG123 &amp; MAT363 will fulfill 6 units</b>

**Total Required GE units: 48**

**Upper Division Required GE Units: 12**

**Additional Elective Units Needed: 18**

**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**

**Fall Semester**

**Spring Semester**

**Summer Semester**

MAT245 Analytical Geometry & Calculus I	4
CIS265 Information Systems Essentials	3
ENG113 Composition	3
GST100 Focus	1
General Education Course	3

CIS268 Computer Programming Languages	3
MAT250 Modeling & Applications of Calculus	2
MAT255 Analytical Geometry & Calculus II	4
ENG123 Intermediate Composition	3
General Education Course	3
Elective	1


MAT313 Mathematical Proofs & Structures	3
PHY214 Physics for Scientists I w/Lab	4
General Education Course	3
General Education Course	3
General Education Course	3

MAT323 or MAT343 (depending on year)	4
MAT413 Differential Equations	3
PHY224 Physics for Scientists II w/Lab	4
General Education Course	3
Elective	1


Total Units: 14

Total Units: 16

Total Units:     

Total Units: 16

Total Units: 15

Total Units:     

**Junior Year**

**Senior Year**

**Fall Semester**

**Spring Semester**

**Summer Semester**

**Fall Semester**

**Spring Semester**

**Summer Semester**

MAT353 or MAT363 (depending on year)	3
Upper Division General Education Course	3
Upper Division General Education Course	3
General Education Course	3
General Education Course	3
Elective	1

MAT101 Orientation to the Discipline	1
MAT323 or MAT343 (depending on year)	4
MAT333 or MAT463 (depending on year)	3
MAT403 or MAT443 (depending on year)	3
General Education Course	3
Elective	1


MAT353 or MAT363 (depending on year)	3
Upper Division General Education Course	3
Upper Division General Education Course	3
General Education Course	3
Elective	3
Elective	1

MAT333 or MAT463 (depending on year)	3
MAT403 or MAT443 (depending on year)	3
MAT499 Capstone	4
Elective	3
Elective	3


Total Units: 16

Total Units: 15

Total Units:     

Total Units: 16

Total Units: 16

Total Units:     

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