

Applied Statistical Analysis - Public Health

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	
MAT255 Analytical Geometry & Calculus II	MAT245	4	
STA144 Introduction to Statistics	-	3	
STA205 Applied Linear Regression	STA144	3	Spring only (even years)
STA210 Statistical Computing I	CIS268 & STA144	3	Fall only (odd years)
STA211 Statistical Computing II	STA210, MAT255 & 303	3	Spring only (spring years)

Upper Division Requirements	Pre-Req	Units	Note
MAT303 Linear Algebra w/ App to Diff Equations	MAT245	3	Fall only
MAT343 Multivariable Calculus	MAT255	4	
MAT353 Probability & Statistics	MAT245	3	Fall only (even years)
STA303 Research & Experimental Design	STA144	3	Fall only (odd years)
STA305 Sampling & Survey Methodology	-	3	Fall only (odd years)
STA310 Mathematical Statistics I	-	3	Fall only (even years)
STA311 Mathematical Statistics II	STA310, MAT303 & 343	3	Spring only (odd years)
STA499 Capstone	Dept. Chair consent	3	Spring only

Concentration Requirements	Pre-Req	Units	Note
HSC104 Survey of US Health Care Delivery	-	3	Fall only
HSC210 Ethics in health Care	-	3	Fall only
HSC305 Epidemiology	-	3	
HSC310 Public Health Promo & Disease Prevent		3	
or HSC315 Therapeutic Interventions	ı	,	
HSC420 Health Care Policy	HSC104	3	Spring only
HSC460 Planning & Evaluating Health Ed	-	3	Spring only
HSC480 Research Methods	STA144	3	Junior/Senior Status

Total Major Units:	69	
Upper Division Major Units:	40	

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.
- 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.

General Education Requirements

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	STA499* 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	
Science or Kinesiology	4	HSC305 & HSC420 will fulfill
Christian Studies	9	

^{*}Course is interdisciplinary

Additional Elective Units Needed: 3

Upper Division Elective Units Needed: 0

Upper Division Requirements	12	HSC305 & 420 will fulfill 4 units
Interdisciplinary Requirements	9	STA499 will fulfill 3 units
Multicultural Requirements	9	ENG123 will fulfill 3 units

Total Required GE units:	52
r Division Required GE Units:	8

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Cbu Applied Statistical Analysis - Public Health

		Freshman Year					Sophomore Year	•	
Fall Semester		Spring Semester		Summer Semester	Fall Semester		Spring Semester		Summer Semester
MAT245 Analytical Geometry & Calculus I	4	CIS268 Computer Programming Languages			HSC104 Survey of US Health Care Delivery	3	HSC305 or STA211 (depending on year)	3	
STA144 Introduction to Statistics	3	MAT255 Analytical Geometry & Calculus II			HSC210 Ethics in health Care	3	HSC420 Health Care Policy	3	
ENG113 Composition	3	STA205 or GE Course (depending on year)	3		MAT303 Linear Algebra w/ App to Diff Equations	3	GE Course or STA205 (depending on year)	3	
GST100 Focus	1	ENG123 Intermediate Composition	3		MAT353 or STA210 (depending on year)	3	Upper Division General Education Course	3	
General Education Course	3	General Education Course 3			General Education Course	3	General Education Course	3	
					Elective	1	Elective	1	
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Total Units:	14	Total Units: 1	6	Total Units:	Total Units:	16	Total Units:	16	Total Units:
2	1	Junior Year					Senior Year		
Fall Semester	-	Junior Year Spring Semester		Summer Semester	Fall Semester		Senior Year Spring Semester		Summer Semester
STA210 or MAT353 (depending on year)	3	Spring Semester HSC460 or STA311 (depending on year)		Summer Semester	HSC310 or HSC315 (depending on choice)	3	Spring Semester HSC480 Research Methods	3	Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year)	3 3/4	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year)	┩ ├-	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year)	3 4/3	Spring Semester	3	Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310 (depending on year)		Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General Education Course		Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303		Spring Semester HSC480 Research Methods STA311 or HSC460		Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310	3/4	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General	3	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year) STA310 or STA305	4/3	Spring Semester HSC480 Research Methods STA311 or HSC460 (depending on year)	3	Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310 (depending on year) Upper Division General	3/4	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General Education Course Lab Science General	3	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year) STA310 or STA305 (depending on year)	4/3	Spring Semester HSC480 Research Methods STA311 or HSC460 (depending on year) STA499 Capstone	3	Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310 (depending on year) Upper Division General Education Course	3 3	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General Education Course Lab Science General Education Course	3	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year) STA310 or STA305 (depending on year) General Education Course	4/3 3 3	Spring Semester HSC480 Research Methods STA311 or HSC460 (depending on year) STA499 Capstone General Education Course	3 3	Summer Semester
STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310 (depending on year) Upper Division General Education Course	3 3	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General Education Course Lab Science General Education Course	3	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year) STA310 or STA305 (depending on year) General Education Course	4/3 3 3	Spring Semester HSC480 Research Methods STA311 or HSC460 (depending on year) STA499 Capstone General Education Course	3 3	Summer Semester
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STA210 or MAT353 (depending on year) STA303 or MAT343 (depending on year) STA305 or STA310 (depending on year) Upper Division General Education Course	3 3	Spring Semester HSC460 or STA311 (depending on year) STA211 or HSC305 (depending on year) Upper Division General Education Course Lab Science General Education Course	3	Summer Semester	HSC310 or HSC315 (depending on choice) MAT343 or STA303 (depending on year) STA310 or STA305 (depending on year) General Education Course	4/3 3 3	Spring Semester HSC480 Research Methods STA311 or HSC460 (depending on year) STA499 Capstone General Education Course	3 3	Summer Semester

Total Units: 124 (124 units required to graduate)