

# **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 (even 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

<b>Concentration Requirements</b>	Pre-Req	Units	Note
HSC104 Survey of US Health Care Delivery	-	3	As offered
HSC210 Ethics in health Care	-	3	As offered
HSC305 Epidemiology	-	3	Fall only
HSC310 Public Health Promo & Disease Prevent		3	Spring only
or HSC315 Therapeutic Interventions	-	J	As offered
HSC420 Health Care Policy	HSC104	3	As offered
HSC460 Planning & Evaluating Health Ed	-	3	As offered
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 insidecbu.calbaptist.edu.
- 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

<b>Competency Requirements</b>	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	

<sup>\*</sup>Course is interdisciplinary

Additional Elective Units Needed: 3

Upper Division Elective Units Needed: 0

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

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

Contact	Info	rmation
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# Cbu Applied Statistical Analysis - Public Health

Fall Semester	Freshman Year Spring Semester	Summer Semester	Fall Semester	Sophomore Year Spring Semester	Summer Semester
MAT245 Analytical	MAT255 Analytical		TICC104 Common of TIC	CIC269 on CTA205	Summer Sumester
Geometry & Calculus I	Geometry & Calculus II  4		Health Care Delivery	(depending on year) 3	
STA144 Introduction to	STA205 or CIS268		MAT303 Linear Algebra w/	HSC210 Ethics in health	
Statistics	(depending on year)		App to Diff Equations	Care	
ENG113 Composition 3	ENG123 Intermediate Composition 3		MAT353 Probability & Statistics 3	HSC420 Health Care Policy 3	
GST100 Focus 1	General Education Course 3		Upper Division General Education Course 3	Upper Division General Education Course	
General Education Course 3	General Education Course 3		General Education Course 3	General Education Course 3	
			Elective 1	Elective 1	
Total Units: 1	4 Total Units: 16	Total Units:	Total Units: 16	Total Units: 16	Total Units:
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2	Junior Year			Senior Year	
Fall Semester	Junior Year Spring Semester	Summer Semester	Fall Semester	Senior Year Spring Semester	Summer Semester
Fall Semester  MAT343 Multivariable Calculus		Summer Semester	Fall Semester HSC305 Epidemiology 3		Summer Semester
MAT343 Multivariable	Spring Semester  HSC310 or HSC315 (depending on choice)  HSC460 Pleasing 8	Summer Semester		Spring Semester	Summer Semester
MAT343 Multivariable Calculus STA210 or STA310	Spring Semester  HSC310 or HSC315 (depending on choice)  HSC460 Planning & Evaluating Health Ed  STA311 or STA311	Summer Semester	HSC305 Epidemiology 3 STA305 or STA303 3	Spring Semester  HSC480 Research Methods 3  STA311 or STA211	Summer Semester
MAT343 Multivariable Calculus STA210 or STA310 (depending on year) STA303 or STA305	Spring Semester  HSC310 or HSC315 (depending on choice)  HSC460 Planning & 3 Evaluating Health Ed  STA211 or STA311 (depending on year)  Lab Science General	Summer Semester	HSC305 Epidemiology 3  STA305 or STA303 (depending on year)  STA310 or STA210 3	Spring Semester  HSC480 Research Methods 3  STA311 or STA211 (depending on year) 3	Summer Semester
MAT343 Multivariable Calculus STA210 or STA310 (depending on year) STA303 or STA305 (depending on year) Upper Division General	Spring Semester  HSC310 or HSC315 (depending on choice)  HSC460 Planning & Evaluating Health Ed  STA211 or STA311 (depending on year)  Lab Science General Education Course  3  4	Summer Semester	HSC305 Epidemiology 3  STA305 or STA303 (depending on year) 3  STA310 or STA210 (depenidng on year) 3	Spring Semester  HSC480 Research Methods 3  STA311 or STA211 (depending on year) 3  STA499 Capstone 3	Summer Semester
MAT343 Multivariable Calculus STA210 or STA310 (depending on year) STA303 or STA305 (depending on year) Upper Division General Education Course	Spring Semester  HSC310 or HSC315 (depending on choice)  HSC460 Planning & Evaluating Health Ed  STA211 or STA311 (depending on year)  Lab Science General Education Course  3  3  4	Summer Semester	HSC305 Epidemiology 3  STA305 or STA303 (depending on year)  STA310 or STA210 (depenidng on year) 3  General Education Course 3	Spring Semester  HSC480 Research Methods 3  STA311 or STA211 (depending on year) 3  STA499 Capstone 3  General Education Course 3	Summer Semester
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Total Units: 124 (124 units required to graduate)