CDU Applied Statistics - Quantitative Business Modeling

2013-2014

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) |
| | | | |
| Upper Division Requirements | Pre-Req | Units | Note |
| MAT303 Linear Algebra w/ App to Diff Equations | MAT245 | 3 | Fall only |
| MAT353 Probability & Statistics | MAT245 | 3 | Fall only |
| STA303 Research & Experimental Design | STA144 | 3 | Fall only (odd years) |
| STA310 Mathematical Statistics I | - | 3 | Fall only (even years) |
| STA499 Capstone | Dept. Chair consent | 3 | Spring only |
| Concentration Requirements | Pre-Req | Units | Note |
| ACC250 Principles of Accounting I | - | 3 | Fall only |
| ACC251 Principles of Accounting I | ACC250 | 3 | Spring only |
| BUS217 Microeconomics | - | 3 | ~F8) |
| BUS218 Macroeconomics | - | 3 | |
| BUS237 Management Based on Biblical Principles | - | 3 | |
| BUS334 International Business | - | 3 | |
| BUS358 Business Law | - | 3 | |
| BUS463 Business & Organizational Management | - | 3 | |
| <u> </u> | | 3 | 1 |

General Education Requirements

| Competency Requirements | Units | Note |
|----------------------------------|----------------|--|
| English Competency | 3 | ENG113 required |
| Math Competency | 3 | STA499* will fulfill |
| Technology | 3 | CIS268 will fulfill. CIS270* also recommended |
| Foreign Language I | 3 | |
| Foreign Language II | 3 | |
| If you are exempt from a Compete | ncy Requiremen | nt, add those units to Additional Elective Units Needed. |
| Behavioral Science | 6 | |
| English Composition | 3 | ENG123 required |
| English or Film | 3 | 1 |
| 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 | |
| Christian Studies | 9 | |

*Course is interdisciplinary

| Upper Division Requirements | 12 | |
|------------------------------------|----|-----------------------------|
| Multicultural Requirements | 9 | ENG123 will fulfill 3 units |
| Interdisciplinary Requirements | 9 | STA499 will fulfill 3 units |

Total Required GE units: 56

Upper Division Required GE Units: 12

Additional Elective Units Needed: 6

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.

Total Major Units: 62

Upper Division Major Units: 27

- 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.

Contact Information

| Department of Natural & Mathematical S | ciences |
|--|----------------------------|
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Applied Statistics - Quantitative Business Modeling

| | Freshman Year | | | Sophomore Year | |
|--|--|-----------------|---|---|-----------------|
| Fall Semester | Spring Semester | Summer Semester | Fall Semester | Spring Semester | Summer Semester |
| MAT245 Analytical Geometry & Calculus I 4 STA144 Introduction to Statistics 3 ENG113 Composition 3 GST100 Focus 1 General Education Course 3 | BUS218 Macroeconomics3MAT255 Analytical Geometry & Calculus II4STA205 or CIS268 (depending on year)3ENG123 Intermediate Composition3General Education Course3 | | ACC250 Principles of Accounting I3MAT303 Linear Algebra w/ App to Diff Equations3MAT353 or STA303 (depending on year)3General Education Course3General Education Course3Kinesiology General Education Course1 | ACC251 Principles of Accounting II3BUS217 Microeconomics3CIS268 or STA205 (depending on year)3Upper Division General Education Course3Lab Science General Education Course4 | |
| Total Units: 14 Fall Semester | Junior Year Spring Semester | Total Units: | Total Units: 16 Fall Semester | Senior Year Spring Semester | Total Units: |
| MKT333 Principles of Marketing 3 | BUS237 Management Based on Biblical Principles | | BUS358 Business Law 3 | BUS463 Business & 3 Organizational Management | |
| STA210 or STA310 | BUS334 International | | STA310 or STA210 | STA499 Capstone 3 | |
| (depending on year) | Business Upper Division General | | (depending on year) | Unper Division General | |
| (depending on year) 3 | Education Course 3 | | Education Course 3 | Education Course 3 | |
| General Education Course 3 | General Education Course 3 | | General Education Course 3 | General Education Course 3 | |
| General Education Course 3 | General Education Course 3 | | General Education Course 3 | Elective 3 | |
| | | | | | |
| | | | | | |
| | Elective 1 | | Elective 1 | | |
| | Elective 1 | | Elective 1 | | |
| | Elective 1 | | Elective 1 | | |
| | Elective 1 | | Elective 1 | | |
| | Elective 1 | | Elective 1 | | |

Total Units: <u>124</u> (124 units required to graduate)