

# B.S. IN BUSINESS MANAGEMENT - BUSINESS PROCESSES AND DATA ANALYTICS CONCENTRATION

College of Business and Public Management

## Curriculum

Code	Title	Credits
<b>GENERAL EDUCATION REQUIREMENTS</b> ( <a href="http://catalog.wcupa.edu/undergraduate/general-education-requirements/">http://catalog.wcupa.edu/undergraduate/general-education-requirements/</a> )		
<b>Academic Foundations</b>		
First Year Experience requirement		4
English Composition requirement		6-7
Mathematics requirement <sup>1</sup>		3-4
Select one of the following:		
MAT 113	Algebra and Functions <sup>3</sup>	
MAT 115	Algebra, Functions, and Trigonometry	
MAT 131	Precalculus	
MAT 143	Brief Calculus <sup>2</sup>	
MAT 161	Calculus I <sup>2</sup>	
Interdisciplinary requirement		3
Diverse Communities requirement		3
Ethics requirement		3
<b>Distributed Disciplinary Foundations</b>		
Science requirement <sup>8</sup>		6-8
GEO 104	Introduction to Geospatial Technology and Analytics	
or CSC 112	Programming & Data Science	
Behavioral & Social Science requirement <sup>6</sup>		6
ECO 111	Principles of Economics (Macro) <sup>1</sup>	
or ECO 112	Principles of Economics (Micro)	
Humanities requirement		6
Select one of the following:		
PHI 101	Introduction to Philosophy <sup>4</sup>	
PHI 150	Critical Thinking and Problem Solving <sup>4</sup>	
PHI 180	Introduction to Ethics <sup>4</sup>	
Arts requirement		3
<b>ADDITIONAL BACCALAUREATE REQUIREMENTS</b> ( <a href="http://catalog.wcupa.edu/undergraduate/general-education-requirements/">http://catalog.wcupa.edu/undergraduate/general-education-requirements/</a> )		
<b>University Requirements</b>		
Writing Emphasis requirement		9
Speaking Emphasis requirement		9
SPK 208	Public Speaking	
or SPK 230	Business and Professional Speech Communication	
<b>Degree Requirements</b>		
Capstone requirement		1-15
<b>MAJOR REQUIREMENTS</b>		
<b>Pre-Business Requirements</b> <sup>1,5</sup>		
ECO 111	Principles of Economics (Macro) <sup>6</sup>	3
ECO 112	Principles of Economics (Micro) <sup>6</sup>	3
ACC 201	Financial Accounting	3
ECO 251	Business Analytics I	3

MAT 143	Brief Calculus <sup>2</sup>	3
or MAT 161	Calculus I	
MGT 200	Principles of Management	3
MKT 250	Principles of Marketing	3
<b>Business Core</b> <sup>1</sup>		
ACC 202	Managerial Accounting	3
BLA 201	Legal Environment of Business	3
ECO 351	Business Analytics II	3
FIN 325	Corporate Finance	3
MGT 313	Business and Society	3
MGT 341	Production and Operations Management	3
<b>MGT Requirements</b> <sup>1</sup>		
MIS 300	Introduction to Management Information Systems	3
MGT 498	Seminar in Management	3
<b>BPDA Concentration Courses</b> <sup>1</sup>		
MIS 302	Data Analytics	3
MIS 303	Simulation	3
MIS 304	Business Systems & Processes	3
SCM 351	Supply Chain Management	3
<b>BPDA Elective</b> <sup>1</sup>		
Select a Data Analytics elective below or a Data Analytics-related course with department approval. Choose any courses from the following:		3
MIS 301	Introduction to Business's Software	
MGT 411	Communicating Business Insights and Ethics in Big Data	
FIN 336	Python for Business Analytics	
ECO 361	Business Analytics Using R	
MKT 368	Customer Database Management	
<b>SCM Electives</b> <sup>1</sup>		
Choose any two 300-level or above courses within the Supply Chain Management area (SCM prefix) that are not already required courses like SCM 351.		6
<b>Capstone Requirement</b>		
MGT 499	Business Policy and Strategy <sup>1,7</sup>	3
<b>Student Electives</b>		
Select 12 credits of free electives.		12
<b>Total Minimum Credits Required</b>		<b>120</b>

- <sup>1</sup> A minimum grade of C must be attained in each of these courses. If not, the course must be repeated until a C minimum is earned. Students are limited to six course repeats; a single course may not be repeated more than twice.
- <sup>2</sup> If either of these MAT courses is completed with a grade of C or better to fulfill general requirements, then a free elective maybe substituted.
- <sup>3</sup> Course substitutions for MAT 113 are MAT 115 or MAT 131.
- <sup>4</sup> Management's philosophy gen ed requirement waived for students with Academic Passport.
- <sup>5</sup> Must be completed prior to applying to any business major.
- <sup>6</sup> ECO 111 and ECO 112 are required and count toward Behavioral and Social Science credits. ECO 111 and ECO 112 are also Pre-Business requirements.
- <sup>7</sup> This course fulfills the Capstone requirement.
- <sup>8</sup> Internal/external transfer students who have already taken two approved general education science classes are exempt from CSC 112 or GEO 104.

## Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit [wcupa.edu/DegreeProgressReport](http://wcupa.edu/DegreeProgressReport) (<http://wcupa.edu/degreeprogressreport/>).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
ECO 111	Principles of Economics (Macro)	3
MAT 113	Algebra and Functions	3
or	or Algebra, Functions, and	
MAT 115	Trigonometry	
or	or Precalculus	
MAT 131		
WRT 120	Effective Writing I	3
FYE 100X	First-Year Experience	4
Behavioral & Social Science Gen Ed		3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
ECO 112	Principles of Economics (Micro)	3
MAT 143	Brief Calculus	3
or	or Calculus I	
MAT 161		
CSC 112	Programming & Data Science	3
or	or Introduction to Geospatial	
GEO 104	Technology and Analytics	
WRT 2XX	200-Level WRT Course	3
Humanities Gen Ed		3
<b>Credits</b>		<b>15</b>
<b>Year Two</b>		
<b>Fall</b>		
MGT 200	Principles of Management	3
ACC 201	Financial Accounting	3
ECO 251	Business Analytics I	3
SPK 208	Public Speaking	3
or	or Business and Professional Speech	
SPK 230	Communication	
Science Gen Ed		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
ACC 202	Managerial Accounting	3
BLA 201	Legal Environment of Business	3
MKT 250	Principles of Marketing	3
PHI 101	Introduction to Philosophy	3
or	or Critical Thinking and Problem	
PHI 150	Solving	
or	or Introduction to Ethics	
PHI 180		
Interdisciplinary Gen Ed		3
<b>Credits</b>		<b>15</b>
<b>Year Three</b>		
<b>Fall</b>		
MGT 341	Production and Operations Management	3
ECO 351	Business Analytics II	3
FIN 325	Corporate Finance	3

MIS 300	Introduction to Management Information Systems	3
Arts Gen Ed		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
MIS 302	Data Analytics	3
MIS 303	Simulation	3
SCM 351	Supply Chain Management	3
MGT 313	Business and Society	3
Diverse Communities Gen Ed		3
<b>Credits</b>		<b>15</b>
<b>Year Four</b>		
<b>Fall</b>		
MIS 304	Business Systems & Processes	3
SCM XXX	SCM Elective	3
BPDA Elective		3
Free Elective		3
Free Elective		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
MGT 498	Seminar in Management	3
MGT 499	Business Policy and Strategy	3
SCM XXX	SCM Elective	3
Free Elective		3
Free Elective		3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>121</b>