



## Business Analytics AAS Degree Curriculum Worksheet Beginning Fall 2017

<b>Developmental Studies</b>		<b>Total Required Credits: 68</b>		
DRE 096-098, DMA 010-060				
<b>Business Analytics AAS (A25350)</b>		<b><u>Pre-reqs</u></b>	<b>Contact Hours</b>	<b>Credit Hours</b>
<b>FALL I</b>				
BAS 120	Introduction to Analytics	None	5	3
BUS 110	Introduction to Business	DRE 097	3	3
CIS 110	Introduction to Computers	DRE 098 & DMA 010-040	4	3
BAS 150	Introduction to Analytical Programming	DMA 010-040	5	3
<b>SPRING I</b>				
BAS 121	Data Visualization	BAS 120	5	3
BAS 220	Applied Analytical Programming	BAS 150	5	3
MAT 152	Statistical Methods I	DMA-010, DMA-020, DMA-030, DMA-040, DMA-050, and DRE-098	5	4
ENG 111	Expository Writing	DRE 098	3	3
DBA 110	Database Concepts	CIS 110 or CIS 111	5	3
<b>SUMMER I</b>				
CTS 130	Spreadsheet Concepts	CIS 110 or CIS 111	4	3
ENG 114	Professional Research and Reporting	ENG 111	3	3
HUM/FA	Humanities/Fine Arts Gen. Ed.	Varies	3	3
Communications	COM 110, COM 120, or COM 231	Varies	3	3
<b>FALL II</b>				
BAS 221	Introduction to Predictive Analytics	BAS 121 and BAS 220	5	3
BAS 240	Data Structures for Analytics	BAS 121 and BAS 220	5	3
DBA 120	Database Programming I	CIS 110	4	3
Elective 1	BAS Major Elective	Varies	3	3
<b>SPRING II</b>				
BAS 270	Advanced Analytical Tools & Methods	BAS 221 and BAS 240	5	3
SOC/BHV	Social/Behavior Science Gen. Ed.	Varies	3	3
Elective 2	BAS Major Elective	Varies	3	3
Elective 3	BAS Major Elective	Varies	3	3
MAT 171	Precalculus Algebra	DMA 010-080	5	4
<b>Electives</b>	<b>Select 9 credit hours from this list</b>	<b><u>Pre-reqs</u></b>		
ACC 120	Principles of Financial Accounting	None	5	4
BAS 230	Applied Predictive Modeling	BAS 221	5	3
BUS 115	Business Law	DRE 098	3	3
BUS 137	Principles of Management	DRE 098	3	3
CIS 115	Intro to Programming and Logic	CIS 110	3	3
CTS 115	Information Sys Business Concepts	None	3	3
CTS 240	Project Management	None	4	3
DBA 210	Database Administration	None	5	3
MKT 120	Principles of Marketing	None	3	3
MKT 223	Customer Service	None	3	3
OMT 156	Problem Solving Skills	None	3	3
WEB 213	Internet Marketing & Analytics	None	4	3

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes. Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making. Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.