

DATA ANALYTICS (BAAS)

Degree: Bachelor of Applied Arts and Sciences

Major: Data Analytics

Total Hours: 120

Code	Title	Hours
General Education Core Curriculum		
<i>Communication</i>		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
<i>Mathematics</i>		
MATH 1342	Elementary Statistical Methods	3
<i>Life and Physical Science</i>		
Select two of the following:		6
BIOL 1308	General Biology (Non-Science Majors)	
BIOL 1315	Plants and Human Society (Non-Majors)	
BIOL 2306	Environmental Science	
CHEM 1306	Chemistry for Allied Health Sciences	
CHEM 1308	Biochemistry for Allied Health Sciences	
CHEM 1311	General Chemistry I	
CHEM 1312	General Chemistry II	
GEOL 1390	Introductory Environmental & Physical Geology	
PHYS 1305	Elementary Physics I Lecture	
PHYS 1307	Elementary Physics II Lecture	
PHYS 1311	Introduction to Astronomy Lecture	
<i>Language, Philosophy and Culture</i>		
Select one from:		3
DSDE 1377	Introduction to Deaf Education	
ENGL 2300	Ethics and Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
FREN 2312	Intermediate French II	
PHIL 1370	Philosophy of Knowledge	
	or PHIL 2306 Ethics	
PHIL 2306	Ethics	
SPAN 2312	Intermediate Spanish II	
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2303	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		

Select two from the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Science</i>		
Select one from the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
<i>Component Area Options</i>		
Complete six unique hours from the core curriculum courses listed above		6
Required Courses		
<i>Professional Development Courses</i>		
AASC 3301	Leadership/Communication Strat	3
AASC 4301	Personal Productivity	3
COMM 3340	Interviewing	3
<i>Data Analytics Courses, Required</i>		
MISY 3310	Principles of MIS	3
MISY 3321	Spreadsheets for Bus Analytics	3
MISY 3341	Data Visualization	3
MISY 3390	Data Mining & Machine Lrng	3
MISY 4340	Business Analytics & AI	3
MISY 4350	Project Management & Practice	3
MISY 4370	ERP Overview	3
<i>Data Analytics Electives, Choose 2</i>		6
MISY 3300	Database Foundations	
MISY 3330	Database Design	
MISY 3370	IS Analysis and Design	
Elective Courses		
42 credits in 1000:4999		42
Total Hours		
		120
First Year		
Fall		
ENGL 1301	Composition I	3
Creative Arts Core		3
American History Core		3

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MATH 1342	Elementary Statistical Methods	3
Elective		3
Hours		15
Spring		
ENGL 1302	Composition II	3
American History Core		3
POLS 2301	Intro to American Government I	3
Life and Physical Sciences Core		3
Elective		3
Hours		15
Second Year		
Fall		
POLS 2302	Intro/American Government II	3
Language, Philosophy, and Culture Core		3
Elective		3
Component Area Option		3
Life and Physical Science Core		3
Hours		15
Spring		
Social and Behavioral Sciences Core		3
Component Area Option Core		3
Elective		3
Elective		3
Elective		3
Hours		15
Third Year		
Fall		
MGMT 3310	Principles Mgmt/Org Behavior	3
Elective		3
AASC 3301	Leadership/Communication Strat	3
Elective		3
COMM 3340	Interviewing	3
Hours		15
Spring		
Elective		3
MGMT 3330	Human Resource Management	3
MGMT 3350	International Business	3
Elective		3
BCOM 3350	Business Communications	3
Hours		15
Fourth Year		
Fall		
AASC 4301	Personal Productivity	3
MGMT 4320	Advanced Organizational Behavior	3
BULW 3320	Employment Law	3
Electives		3
MISY 3321	Spreadsheets for Bus Analytics	3
Hours		15
Spring		
MGMT 4330	Compensation Management	3
MGMT 4350	Issues in Human Resource Management	3
Electives		3
Electives		3
Electives		3
Hours		15
Total Hours		120