

Business Analytics (A25350)

A.A.S. Degree

PROGRAM PLANNING GUIDE

Revised: Fall 2022

Curriculum By Semester					
			Hours Per Week		
			Class	Lab	Credits
FALL SEMESTER					
BAS	120	Intro to Analytics - 1st 8 weeks	3	0	3
BAS	121	Data Visualization - 2nd 8 weeks	2	3	3
CTI	110	Programming, Web, and DB Foundations	2	2	3
BUS	110	Intro to Business	3	0	3
		Mathematics Elective	3	2	3
SPRING SEMESTER					
BAS	150	Intro to Analytical Programming - 1st 8 weeks	2	3	3
BAS	220	Applied Analytical Programming - 2nd 8 weeks	2	3	3
MAT	152	Statistical Methods I	3	2	4
CTS	225	Spreadsheet Data Analysis	2	2	3
ENG	111	Writing and Inquiry	3	0	3
SUMMER SEMESTER					
		English and Communications Elective	-	-	3
		Humanities and Fine Arts Elective	-	-	3
FALL SEMESTER					
BAS	221	Intro to Predictive Analytics	2	3	3
BAS	230	Applied Predictive Modeling	2	3	3
BAS	240	Data Structures for Analytics	2	3	3
CSC	124	Intro to Data Science Programming	2	3	3
		Elective I			3
SPRING SEMESTER					
BAS	250	Analytical Tools and Methods	2	3	3
BAS	270	Advanced Analytical Tools and Methods	2	3	3
BUS	137	Principles of Management	3	0	3
		Social and Behavioral Sciences Elective	-	-	3
		Elective II			2
GRADUATION REQUIREMENT:			Credit Hours	66	

Required Electives

			Hours Per Week		
			Class	Lab	Credits
Math Elective					
(choose 3 credit hours from the following courses)					
MAT	121	Algebra/Trigonometry I	2	2	3
MAT	143	Quantitative Literacy	2	2	3
MAT	171	Precalculus Algebra	3	2	4
MAT	172	Precalculus Trigonometry	3	2	4
MAT	271	Calculus I	3	2	4
English and Communications Elective					
(choose 3 credit hours from the following courses)					
ENG	112	Writing and Research in the Disciplines	3	0	3
COM	120	Intro Interpersonal Com	3	0	3
COM	231	Public Speaking	3	0	3
Humanities and Fine Arts Elective					
(choose 3 credit hours from the following courses)					
HUM	110	Technology and Society	3	0	3
HUM	115	Critical Thinking	3	0	3
PHI	240	Introduction to Ethics	3	0	3
Social and Behavioral Sciences Elective					
(choose 3 credit hours from the following courses)					
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
PSY	150	General Psychology	3	0	3
SOC	210	Introduction to Sociology	3	0	3
Elective I					
MKT	120	Principles of Marketing	3	0	3
ACC	120	Principles of Financial Acct	3	2	4
LOG	110	Introduction to Logistics	3	0	3
Elective II					
DBA	130	Introduction to NoSQL Databases	3	0	3
MAT	252	Advanced Statistical Methods	3	2	4
WBL	111	Work-Based Learning I	0	10	1
WBL	112	Work-Based Learning I	0	20	2
WBL	113	Work-Based Learning I	0	30	3
WBL	121	Work-Based Learning II	0	10	1
WBL	122	Work-Based Learning II	0	20	2
WBL	123	Work-Based Learning II	0	30	3

*Work-Based Learning is an elective. WBL courses completed for one program may not count toward the completion of another program. Contact your academic advisor or WBL faculty coordinator for verification. Students must have approval from the department head and pre register with the Computer Technologies Division office. As an alternative to CSC 289, three credit hours of Work-Based Learning can be taken. The Work-Based Learning work period may be taken as WBL 112, over two semesters as WBL-111 and WBL-112 or over one semester as WBL-113.