Associate of Science
Business Administration
to
Bachelor of Science
Business Analytics and Data Science

Mercer
AS - Business Adminstration

NJCU
BS - Business Analytics and Data Science

COURSE NUMBER	COURSE NAME	CREDITS		COURSE NUMBER	COURSE NAME	CREDITS
First Semester						
CSB100	College Success and Wellness for Business	2	=	INTD101	Orientation to College	2
ENG101	English Composition I	3	=	ENGL101	English Composition I	3
BUS107	Business Law I	3	=	MGMT235	Business Law I: Legal Environment of Business	3
IST101	Computer Concepts with Apps	3	=	CS107	Computers and Information Systems	3
1 Humanities General Education Elective		3	=	TBD		3
Second Semester						
MAT146	Pre-Calculus	4	=	MATH175	Enhanced Pre-Calculus	4
ACC111	Princ. of Financial Accounting	4	=	ACCT251	Financial Accounting	4
ENG102	English Composition II	3	=	ENGL102	English Composition II	3
1 Lab Science General Education Elective		3	=	TBD		3
Select 1 of the following Speech Courses:						
CMN111	Speech: Human Communication	3	=	ENGL147	Effective Speaking	3
CMN112	Public Speaking	3	=	ENGL147	Effective Speaking	3
Third Semester						
ACC112	Princ. of Managerial Accounting	4	=	ACCT252	Managerial Accounting	4
BUS205	Business Statistics I	3	=	ECON 203	Business Statistics	3
BUS210	Principles of Management	3	=	MGMT211	Principles of Management	3
ECO111	Macroeconomics	3	=	ECON207	Principles of Economics:Macro	3
MAT149	Calculus	4	=	MATH164	Pre-Calculus for Business	4
Fourth Semester						
BUS206	Business Statistics II	3	=	MATH2XX	Mathematics Elective Credits	3
BUS230	Global Environment of Business	3	=	MGMT241	Global Business	3
ECO112	Microeconomics	3	=	ECON208	Principles of Economics:Micro	3
1 General Education Elective (Except ECO103)		3	=	TBD		3

Total Credits - 60	|	**General Education Waived**

Remaining NJCU Courses

COURSE NUMBER	COURSE NAME	CREDITS
REQUIRED COURSES		**15**
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
MKTG 231	Principles of Marketing	3
FINC 371	Managerial Finance (Pre-Requisite ECON 208, ACCT 252, MATH 164)	3
MGMT 411	Business Policy (Pre-Requisite FINC 371)	3
Major Requirements		**24**
FINC 305	Introduction to Data Science	3
FINC 306	Statistical and Mathematical Foundations for Business Analytics and Data Science	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing	3
FINC 410	"Introduction to Forecasting Models and Experimental Design for Business Analytics and Data Science"	3
FINC 403	Fundamentals of Data Visualization for Business Analytics and Data Sciences	3
FINC 430	Principles of Machine Learning	3
FINC 495	Capstone in Data Science	3
Free Elective Courses		**21**

Minimum Total Credits To Graduate	120