

DATA ANALYTICS FOR DECISION MAKING CONCENTRATION - 2020 and after

Student Name: _____			ID#: _____	Date: _____	Advisor: _____												
					FRESHMAN	SOPHOMORE			JUNIOR		SENIOR						
A	GENERAL EDUCATION REQUIREMENTS and General Departmental Requirements 46-47 Sem Hrs.		46 Sem Hours 3 Sem Hours	Possible Courses	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	SEM. HRS.
I	ENGLISH 6 Sem Hrs																
3	English Composition I		ENGL 101		3												3
3	English Composition II		ENGL 102			3											3
II	ARTS and HUMANITIES 6 Sem Hrs																
3	Oral Communication or Public Speaking		COMM 101 or 103			3											3
3	Introduction to Principles of Reasoning		PHIL 103			3											3
III	SOCIAL SCIENCES 9 Sem Hrs																
3	Afro American History		HIST 114 or 115			3											3
3	Principles of Macroeconomics (prereq: Sophomore Standing)		ECON 211				3										3
3	Principles of Microeconomics (prereq: Sophomore Standing)		ECON 212					3									3
IV	SCIENCE ELECTIVES* 7-8 Sem Hrs																
	*at least 1 course with lab required																
3-4	Life or Physical Science Elective I		PHSC 100 or 101			4											4
3-4	Life or Physical Science Elective II		BIOL 203				3										3
V	MATHEMATICS 3 Sem Hrs																
3	College Algebra or Pre-Calculus		MATH 125 or 141		3												3
VI	EMERGING ISSUES 3 Sem Hrs																
3	Computer Applications in Business		BUIS 260			3											3
VII	INSTITUTIONAL REQUIREMENTS 6 Sem Hrs																
3	Freshman Seminar		FRSE 101		3												3
3	Health and Wellness HEED 102 or IDIS 210		HEED 102		3												3
VIII	GENERAL EDU ELECTIVES 6 Sem Hrs																
3	General Ed. Elective I - DANL 280 (recommended) as it is a pre-requisite for the concentration		DANL 280											3			3
3	General Ed. Elective II - FINA 222 (recommended)		FINA 222		3												3
B	BUSINESS ADMINISTRATION MAJOR - CORE SCHOOL REQUIREMENTS 51 SEM HRS																
3	Introduction to Business		MGMT 101				3										3
3	Accounting I (Prereq. BUAD 100; BUAD 101)		ACCT 211				3										3
3	Accounting II (prereq. Acct 211)		ACCT 212					3									3
3	Principles of Marketing (Prereq. BUAD 101)		MKTG 231					3									3
3	Principles of Management (Prereq. BUAD 101)		MGMT 241					3									3
3	Principles of Finance (Prereq. ACCT 212, ECON 211-212)		FINA 320											3			3
3	Organizational Behavior (Prereq. MGMT 241)		MGMT 344											3			3
3	Technical & Report Writing - a Dept Requirement		ENG 361								3						3
3	Business Law I (Prereq. Phil 103, Mgmt 241, and Junior Status/Instructor's permission)		BUAD 350								3						3
3	Information Systems for Management (Prereq: BUIS 260)		BUIS 360								3						3
3	Money & Banking (Prereq. ECON 211 and Jr. Status)		ECON 321									3					3
3	Business & Economic Statistics		ECON 351								3						3
3	Professional Development and Leadership I		MGMT 356									2					2
3	Professional Development and Leadership II		MGMT 358									1					1
3	Business Strategy & Policy (Prereq. MKTG 231, MGMT 241, FINA 320 and Senior Status)		MGMT 440												3		3
3	Production & Operations Management (Prereq. MGMT 241, ECON 351)		MGMT 480											3			3
3	Quantitative Methods for Decision Making		ECON 483									3					3
3	College of Business Elective** (300 or 400 Level Business or Data Analytics or Health Informatics)														3		3
C	DATA ANALYTICS CONCENTRATION 24 Sem Hrs																
	CORE REQUIREMENTS																
3	Foundations of Data Sciences and Analytics (Prereq. None)		DANL 280					0									0
3	A Programming Course (Prereq. BUIS 260)		BUIS 305	COSC/CTEC							3						3
3	Data Modeling and Management (Prereq. BUIS 260)		BUIS 362	COSC/CTEC								3					3
3	Visual Analytics (Prereq. DANL 280)		DANL 340								3						3
3	Decision Science and Analytics (Prereq. BUIS 362)		BUIS 462										3				3
3	Big Data Analytics for Decision Making (Prereq. BUIS 462)		DANL 480												3		3
3	Capstone (Prereq. BUIS 462, DANL 480)		DANL 490												3		3
	2 Elective Courses																
3	DANL Elective 1 - 300 & above		Science/Business/CoSc/CTEC courses											3			3
3	DANL Elective 2 - 300 & above		Science/Business/CoSc/CTEC courses												3		3
Total					15	16		15	15		15	15		15	15		121

** 300-400 level courses in ACCT, BUAD, BUIS, DANL, ECON, FINA, MGMT, MKTG, Pre-Calculus, Calculus, or up to 3 hours of 300 level or above Computer Science courses may be used as Business Elective. A GPA of at least 3.5 qualifies the student for the Dean's List. At least 30 upper level Business or Economics credits at Bowie State University are required for a B.S. degree in Business Administration.