ASUN
ARKANSAS STATE UNIVERSITY - NEWPORT
NEWPORT · JONESBORO · MARKED TREE

ASSOCIATE OF SCIENCE
Data Science-Data Analytics
Cip Code: 30.7001; Degree Code: 3765

Student Name_____ Student ID _____ Advisor _____

AY2025-26

Possible Prerequisites

			Semester	Hours	Grade	ACTS
ENG	0051	Writing Seminar		NC		
ENG	0053	English Fundamentals		NC		
MATH	0021	Foundations of Math Reasoning		NC		
MATH	0083	Math Fundamentals		NC		

Year 1 - First Semester (17 credit hours)

			Semester	Hours	Grade	ACTS
ART	2503	**Choose one:** Fine Arts Visual		3		ARTA1003
MUS	2503	Fine Arts Musical				MUSC1003
THEA	2503	Fine Arts Theatre				DRAM1003
DASC	1003	Introduction to Data Science		3		
DASC	1104	Programming Languages for Data Science		4		
ENG	1003	Composition I		3		ENGL1013
MATH	1023	College Algebra		3		MATH1103
UNIV	1001	College and Life Skills		1		

Year 1 - Second Semester (18 credit hours)

			Semester	Hours	Grade	ACTS
ENG	1013	Composition II		3		ENGL1023
DASC	1204	Introduction to Object Oriented Programming for Data Science		4		
MATH	1054	Pre-Calculus Mathematics		4		MATH1305
SPCH	1203	Oral Communication		3		SPCH1003
	**	3 credit hours from one of the following – BIOL, CHEM, GEOL, PHSC, PHYS prefixes		3		
	**	1 (lab) credit hour from one of the following – BIOL, CHEM, GEOL, PHSC, PHYS prefixes		1		

Year 1 – Third Semester (4 credit hours)

			Semester	Hours	Grade	ACTS
MATH	2204	Calculus I		4		MATH2405

Year 2 – First Semester (17 credit hours)

			Semester	Hours	Grade	ACTS
DASC	2103	Data Structures and Algorithms		3		
DASC	2113	Principles and Techniques of Data Science		3		
HIST	2763	**Choose one:** U.S. History to 1876		3		HIST2113
HIST	2773	U.S. History since 1876				HIST2123
POSC	2013	Introduction to United States Government				PLSC2003
MATH	2214	Calculus II		4		MATH2505
	**	3 credit hours from one of the following – BIOL, CHEM, GEOL, PHSC, PHYS prefixes		3		
	**	1 (lab) credit hour from one of the following – BIOL, CHEM, GEOL, PHSC, PHYS prefixes		1		

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AY2024-25

Year 2 – Second Semester (12 credit hours)			Semester	Hours	Grade	ACTS
		Choose one:				
PSYC	2013	Introduction to Psychology		3		PSYC1103
SOC	2213	Introduction to Sociology				SOCI1013
DASC	2133	Data Privacy & Ethics				
DASC	2213	Data Visualization & Communication (Tableau)		3		
DASC	2203	Data Management and Database		3		
		Choose one:				
DASC	2223	Internship in Data Science		3		
DASC	2233	Special Projects in Data Science				

Total Required Credit Hours (68)

Expected Graduation Date: _____

Student Signature: _____   **Date:** _____

Advisor Signature: _____   **Date:** _____

**Please note that the following do not satisfy Lab Science Requirements. It <u>MUST</u> be a science course with a lab science component and therefore not one of the following:

> BIOL2501, BIOL2502, BIOL2503, BIOL2504 Special Problems in Biological Sciences
> CHEM2051, CHEM2052, CHEM2053 Investigations in Chemistry
> BIOL1404 Body Structure and Function
> BIOL2013 Introduction to Nutrition
> CHEM1052 Fundamental Concepts of Chemistry
> PHYS2133 Survey of Physics for the Health Professions