

**ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN
MONTGOMERY COLLEGE
AND
BOWIE STATE UNIVERSITY REGARDING TRANSFER FROM THE ASSOCIATE
OF SCIENCE IN DATA SCIENCE TO THE BACHELOR OF SCIENCE IN BUSINESS
ADMINISTRATION WITH DATA ANALYTICS CONCENTRATION AT BOWIE
STATE UNIVERSITY**

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between Montgomery College (the “Sending Institution”) and Bowie State University (the “Receiving Institution”) (collectively, the “Institutions”) to facilitate the transfer of academic credits from the associate of science in data science (519918 HEGIS and 307001 CIP) for the completion of the bachelor of science in business administration – data analytics concentration (050601 HEGIS, and 520201 CIP) program.

A. Qualifying Students

This Agreement pertains to the transfer of “Qualifying Students”, *i.e.*, those students who:

1. Have successfully completed the program at the Sending Institution;
2. Are enrolled in the Sending Institution, in good standing; and
3. Are accepted for admission to the Receiving Institution
4. Montgomery College students that have completed the associate degree listed above and have a cumulative GPA of 3.2 at the time of associate degree completion are guaranteed admission to business administration at Bowie State University.

B. Responsibilities of the Institutions

The Institutions agree to implement the transfer of Qualifying Students in accordance with applicable law and the following requirements and protocols:

1. A Qualifying Student may transfer from the Sending Institution into the Receiving Institution for the completion of the Program.
2. Courses that the Receiving School will accept credits for towards completion of the Program include:

Sending Institution Course			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
ENGL 101	Introduction to College Writing	3	ENGL 101	Expository Writing	3	General Education
MATH 181	Calculus I	4	MATH 225	Calculus I	4	General Education
PSYC 100	General Psychology	3	PSYC 100	General Psychology	3	General Education

COMM 108 or COMM 112	Foundations of Human Communication or Business and Professional Speech Communication	3	COM 101	Oral Communication	3	General Education
MATH 117 or MATH 217	Elements of Statistics or Statistics for Scientists	3	MATH 155	Introduction to Probability & Statistics	3	Major
ENGL102 or ENGL103	Critical Reading, Writing, and Research or Critical Reading, Writing, and Research in the Work Place	3	ENGL102	Argument and Research	3	General Education
PHIL 140	Introduction to the Study of Ethics	3		Free Elective	3	General Elective
GEOG 130	Global Geography	3		Free Elective	3	General Elective
DATA 101	Introduction to Data Science	3	DANL 280	Fundamentals of Data Science and Analytics	3	General Education
DATA 110	Data Visualization and Communication	3	DANL 340	Visualization and Visual Analytics	3	Major
	Natural Sciences Distribution with Lab	4		Gen Ed – Science I	4	General Education
DATA 201	Statistical Methods in Data Science	3		DANL Elective	3	Major - Elective
MATH 264	Applications in Linear Algebra	4	MATH 228	Linear Algebra	3	General Elective
CMSC 206	Python Programming	4	BUIS 305	Introduction to Object-Oriented Programming	3	Major
	Arts Distribution	3		Gen Ed – Elective III		General Education
	Natural Sciences Distribution with Lab	4		Gen Ed – Science I	4	General Education
DATA 205	Capstone Experience in Data Science	4		DANL Elective - II	3	Major - Elective
CMSC 246	Introduction to SQL Using Oracle	3	BUIS 362	Database for Business	3	Major

*Receiving Institution must indicate if course is applied to General Education, Program/Major requirements, or General Elective.

3. All other standard transfer requirements set by the Receiving Institution apply to this agreement. For example, a C or above grade is required for all courses in the major including ECON 211, 212, as well as some specified general education courses such as ENGL 101 and 102.

4. The Receiving Institution shall designate, and shall provide to the Sending Institution, the contact information for a staff person at the Receiving Institution who is responsible for the oversight of the transfer of Qualifying Students. The Sending Institution shall designate, and shall provide to the Receiving Institution, the contact information for a staff person at the Sending Institution who is responsible for the oversight of the transfer of Qualifying Students.

	Sending Institution: Montgomery College	Receiving Institution: Bowie State University
Name of staff person responsible for oversight	Justin Edgar	Ms. Jasmin Hurling Spears
Title of staff person	Articulation and Transfer Program Manager	Sr. Transfer Admissions Counselor & Transfer Partnership Coordinator
Email address	justin.edgar@montgomerycollege.edu	jhurlingspears@bowiestate.edu
Telephone Number	240-567-9047	301-860-4848

Should the staff person or position change, the Institution will promptly provide new contact information to the partner institution and inform the Maryland Higher Education Commission of the change.

Additional contact information:

	Sending Institution	Receiving Institution
Name of person	Margaret Tabiri	Azene Zenebe
Title of person	Department Chair - Business, Economics, Computer Applications, and Hospitality	Professor Information Systems and Chair
Email address	margaret.tabiri@montgomerycollege.edu	azenebe@bowiestate.edu
Telephone Number	240-567-3995	301-860-3641

5. If the Qualifying Student is using federal Title 38 VA Education Benefits (GI Bill® Education Benefits), the Institutions shall adhere to all applicable U.S. Department of Veterans Affairs' regulations, including the regulations governing the awarding prior credit, as regulated under Title 38, Code of Federal Regulations, Sections 21.4253(d)(3) and 21.4254(c)(4).
6. Each Institution shall adhere to all applicable transfer requirements set forth in the Annotated Code of Maryland and the Code of Maryland Regulations.

7. Each Institution shall advise students regarding transfer opportunities under this Agreement, and shall advise students of financial aid opportunities and implications associated with the transfer.
8. Should either Institution make changes to program requirements, the Institution will inform the partner institution immediately. The articulation agreement should be updated to reflect the changes and forwarded to the Maryland Higher Education Commission.

C. Term and Termination

1. This agreement shall be effective on the date that it is signed by the appropriate and authorized representatives of each Institution.
2. Either Institution may, at its sole discretion, terminate this Agreement upon delivering 90 days written notice to the other Institution and the Maryland Higher Education Commission.
3. Both Institutions agree to meet once every 5 year(s) to review the terms of this agreement.

D. Amendment

1. This Agreement constitutes the entire understanding and agreement of the Institutions with respect to their rights and obligations in carrying out the terms of the Agreement, and supersedes any prior or contemporaneous agreements or understandings.
2. This Agreement may be modified only by written amendment executed by both Institutions.

E. Governing Law

This Agreement shall be governed by, and construed in accordance with, the laws of the State of Maryland.

F. Counterparts

This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

G. Notice of Agreement

1. The Institutions agree to provide a copy of this Agreement, with any amendments, to the Maryland Higher Education Commission.
2. The Institutions agree to provide copies of this Agreement to all relevant individuals and departments of the Institutions, including but not limited to students, academic department

chairs participating in the transfer, offices of the president, registrar's offices, and financial aid offices.

H. No Third-Party Beneficiaries

There are no third-party beneficiaries to this Agreement.

I. Representations and Warranties of the Parties

Both Institutions represent and warrant that the following shall be true and correct as of the Effective Date of this Agreement, and shall continue to be true and correct during the term of this Agreement:

1. The Institutions are and shall remain in compliance with all applicable federal, state, and local statutes, laws, ordinances, and regulations relating to this Agreement, as amended from time to time.
2. Each Institution has taken all action necessary for the approval and execution of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

Montgomery College

By: Jermaine F. Williams

Jermaine F. Williams, Ed.D.
President

04/08/2025



Date

Bowie State University

By: Aminta H. Breaux 11.18.24

Aminta H. Breaux, Ph.D.
President

Date

 MONTGOMERY COLLEGE A.S. in Data Science		 CATALOG YEAR: 2023-24 B.S. in Business Administration with Data Analytics concentration
CREDIT S	MONTGOMERY COLLEGE Requirements for Associate's Degree	BOWTIE STATE UNIVERSITY Requirements for Bachelor's Degree
3	ENGL 101 - Introduction to College Writing*	ENGL 101
4	MATH 181 - Calculus I (MATF)	MATH 225 (Gen Ed – Math)
3	PSYC 100 - General Psychology (BSSD)**	PSYC 100 (Gen Ed – Elective I*)
3	COMM 108 or COMM 112 (GEEL)	COMM 101
3	MATH 117 or MATH 217	MATH 155
3	ENGL102 or ENGL103 (ENGF)	ENGL 102
3	PHIL 140 - Introduction to the Study of Ethics (HUMD)	Free elective
3	GEOG 130 - Global Geography (BSSD)**	Free elective
3	DATA 101 - Introduction to Data Science	DANL 280 (Gen Ed – Elective II*)
3	DATA 110 - Data Visualization and Communication	DANL 340
4	Natural Sciences Distribution with Lab (NSLD) ‡	Gen Ed – Science I
3	DATA 201 - Statistical Methods in Data Science	DANL Elective** - I
4	MATH 264 - Applications in Linear Algebra	MATH 228
4	CMSC 206 - Python Programming†	BUIS 305
3	Arts Distribution (ARTD)	Gen Ed – Elective III
4	Natural Sciences Distribution with Lab (NSLD) ‡	Gen Ed – Science I
4	DATA 205 - Capstone Experience in Data Science	DANL Elective - II
3	CMSC 246 -Introduction to SQL Using Oracle †	BUIS 362
3	ENGL 101 - Introduction to College Writing*	ENGL 101
60	TOTAL CREDITS TRANSFERRED	
REMAINING BOWTIE STATE UNIVERSITY DEGREE REQUIREMENTS RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE		
	ACCT 211 - Principles of Accounting I	3
	ACCT 212 - Principles of Accounting II	3
	BUAD 350 - Business Law I	3
	BUIS 360 - Information Systems for Management	3
	ECON 321 - Money, Banking and Financial Markets	3
	ECON 483 - Quantitative Methods	3
	ENGL 361 - Technical and Professional Writing	3
	FINA 320 - Principles of Finance	3
	MGMT 101 - Introduction to Business	3
	MGMT 241 - Principles of Management	3
	MGMT 344 - Organizational Behavior	3
	MGMT 356 - Professional Development I	2
	MGMT 358 - Professional Development II	1
	MGMT 480 - Production and Operational Management	3
	MGMT 440 - Business Strategy & Pol	3
	MKTG 231 - Principles of Marketing	3
	Business Elective (300 or above)	3
	DANL 480 - Big Data Analytics	3
	DANL 490 - Capstone in Data Analytics	3
	BUIS 462 - Decision Science and Analytics	3
	PHIL 103 - Introduction to the Principles of Reasoning	3
	HIST 114 - African American History to 1865 or HIST 115 - African American History	3
	ACCT 211 - Principles of Accounting I	3



TOTAL CREDITS REMAINING AT BOWIE STATE UNIVERSITY



63

MONTGOMERY COLLEGE NOTES

* ENGL 101/ENGL 101A, if needed for ENGL 102/ ENGL 103 or program elective.

** Behavioral and Social Science Distribution (BSSD) courses must come from different disciplines. Contact department advisor for transfer requirements for specific schools.

*** Students may substitute MATH 284 for MATH 264

‡ Students are strongly encouraged to take two consecutive lab sciences courses. Examples include BIOL 105/106 or CHEM 131/132 or PSCI 101/102 or PHYS 203/204

† Program Electives include: strongly recommended CMSC 206, CMSC 246, and GEOG 240; CMSC 206 and CMSC 246 will provide students with programming skills in Python and SQL and GEOG 240 provides foundational knowledge of Geographic Information Systems (GIS); other program electives may include any MATH or CMSC course, or GEOG 130 or GEOG 260. Not all program elective options transfer to all institutions. Please consult a data science program advisor or the transfer institution before selecting program elective courses.

BOWIE STATE UNIVERSITY NOTES

* Approved list of courses for general education courses can be found in the BSU catalog at <https://bowiestate.edu/academics/catalogs.php>

** Approved list of courses for DANL elective courses can be found in the BSU catalog at <https://bowiestate.edu/academics/catalogs.php> or https://catalog.bowiestate.edu/preview_program.php?catoid=20&poid=1974&returnto=1430

** A minimum of grade C is required for business, economics, English and data analytics courses.

^ MC's HLTH160 = BSU's HEED102; MC's HLTH200 = BSU's HEED200