

Articulation Agreement

Bowie State University and Prince George's Community College

General Studies Associates of Arts, Concentration in Biology

To Bachelor of Science in Bioinformatics Degree

July 1, 2021

**ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN
PRINCE GEORGE'S COMMUNITY COLLEGE AND BOWIE STATE UNIVERSITY
REGARDING TRANSFER FROM THE ASSOCIATE OF ARTS IN GENERAL
STUDIES BIOLOGY AREA OF CONCENTRATION TO THE BACHELOR OF
SCIENCE IN BIOINFORMATICS**

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between **Prince George’s Community 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 Arts in General Studies, Biology Science Area of Concentration (AOC)** for the completion of the **Bachelor of Science in Bioinformatics** (the “Program(s)”).

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

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 into from the Transferring 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:

Transfer Plan

Prince George’s Community College Associate of Arts in General Studies, Biology Area of Concentration (AOC) to Bowie State University’s Bachelor of Science in Bioinformatics

This transfer plan is intended for students pursuing an **Associate of Arts in General Studies, Biology Area of Concentration (AOC)** at Prince George’s Community College who are interested in pursuing a **Bachelor of Science in Bioinformatics**. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Bowie State University. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferable courses from this college.
- Transfer plans are intended to be used as planning tools. If you need additional assistance selecting courses to take prior to transferring to Bowie State University, contact Dr. Shirelle Briscoe, Assistant Vice President for Transfer & General Student Advocacy in the Office of the Provost at sbriscoe@bowiestate.edu or Transfer Admissions at ugradadmissions@bowiestate.edu.

Course by Course Equivalency (Bowie Catalog, 2020-2021; PGCC Catalog, 2020-2021)

Prince George's Community College Requirements A.A. General Studies, Biology AOC	PGCC Credits	Bowie State University Equivalent B.S. Bioinformatics	BSU Credits
PAS-1000 First Year Experience	1	Free Elective	1
EGL-1010 Composition I: Expository Writing	3	ENGL 101 – Expository Writing	3
MAT-1360 Precalculus Part II or MAT-2410 Calculus I (Recommended: MAT-2410 – Calculus I)	4	MATH 142 – Precalculus II (3 credits) or MATH 225 – Calculus I (4 credits) (Equivalent: MATH 225 – Calculus I)	3 or 4
BIO-1130 Principles of Biology: Evolution, Ecology and Behavior	4	BIOL 101 – Biological Sciences	4
CHM-1010 General Chemistry I	4	CHEM 107 – General Chemistry I	4
INT-1010 Introduction to Information Technology	3	Free Elective	3
*EGL 1100 Composition II: Writing about Issues and Ideas (*replaces EGL-1340 Writing about Technical Topics)	3	ENGL 102 – Argument and Research	3
CHM-1020 General Chemistry II	3*	CHEM 108 – General Chemistry II	4*
CHM-1030 General Chemistry II Laboratory	2*		
BIO-1140 Principles of Biology: Cellular and Molecular Biology	4	BIOL 102 – Introductory Biology	4
BIO-2010 Microbiology or BIO-2050 Human Anatomy & Physiology I	4	BIOL 309 – Microbiology I	4
COM-1010 Foundations of Communication or COM-1110 Public Speaking (Arts/Humanities General Education Elective)	3	Arts & Humanities Elective	3
CHM-2010 Organic Chemistry I	4	CHEM 201 – Organic Chemistry I	4
BMT-2750 Leadership Development or PHL-1330 Ethics (Arts/Humanities General Education Elective)	3	Arts & Humanities Elective	3
BIO-2030 Genetics or BIO-2060 Anatomy and Physiology II	4	BIOL 209 – General Genetics	4
HST-1519 or HST-1530 History of African American I & II (Social Science)	3	HIST 114 or 115 African American History	3
CHM-2020 Organic Chemistry II	3*	CHEM 202 – Organic Chemistry II	4*
CHM-2040 Organic Chemistry II Laboratory	2*		
PSY-1010 General Psychology or SOC-1010 Introduction to Sociology (Social Science General Education Requirement)	3	Social & Behavioral Sciences Elective Corresponding Courses SOC1 101 – Intro to Sociology or PYSC 101 – Intro to Psychology	3
Program Elective or Course (at least 3 credits)	3	Free Elective (to satisfy 60 credit requirement)	3
Total Credits	63	Total Credits	60-61

Remaining Courses

Students who complete the plan above including all recommended courses and earn the **A.A. in General Studies, Biology Area of Concentration** will take the following courses at Bowie State University to meet their graduation requirements. Students who transfer before completing the **Associate of Arts in General Studies, Biology Area of Concentration** may have additional program and graduation requirements to take and fewer free electives.

Major Requirements

All transfer students will be required to take a minimum of **60** credits of coursework at Bowie State University. A minimum total of 120 credits are required for the degree.

Completion of the **Bachelor of Science in Biology** requires students to successfully complete the following course work:

Bowie State University Course	Credits	Explanation
ENGL 102 – Argument and Research	3	
COSC 112 Computer Science I	4	
BIOL 324 General Bioinformatics	3	
HEED 102 – Life & Health or HEED 200 – Fundamentals of Sex Ed	3	
COSC 113 Computer Science II	4	
MATH 225 Calculus I	4	
COSC 214 Data Structures & Algorithm	4	
MATH 226 Calculus II	4	
PHYS 353 Physics for Bioinformatics	4	
COSC 473 Artificial Intelligence	3	
MATH 228 Linear Algebra	3	
BIOL 313 – Cell Biology	4	
BIOL 303 – Molecular Biology	4	
BIOL 403 – Biology Seminar	2	
CHEM 309 – Biochemistry I	3	
BIOL 421 Bioinformatics	4	
BIOL/COSC/CHEM elective (400 level)	4	
BIOL/COSC/CHEM elective (400 level)	4	
TOTAL CREDITS	64	

Additional Credits Needed:

Total credits to be taken at BSU: **64**

The recommended course sequence and advising guide is included as follows:

YEAR ONE FALL SEMESTER at PGCC (16 credits)	Credits	Notes
PAS-1000 First Year Experience	1	
EGL-1010 Composition I: Expository Writing	3	
MAT-1360 Precalculus Part II or MAT-2410 Calculus I	4	
BIO-1130 Principles of Biology: Evolution, Ecology & Behavior	4	
CHM-1010 General Chemistry I	4	
YEAR ONE SPRING SEMESTER at PGCC (15 credits)	Credits	Notes
INT-1010 Introduction to Information Technology	3	
EGL-1340 Writing About Technical Topics	3	
CHM-1020 General Chemistry II	3	
CHM-1030 General Chemistry II Laboratory	2	
BIO-1140 Principles of Biology: Cellular and Molecular Biology	4	
YEAR TWO FALL SEMESTER at PGCC (14 credits)	Credits	Notes
BIO-2010 Microbiology or BIO-2050 Human Anatomy & Physiology I	4	
COM-1010 Foundations of Comm or COM-1110 Public Speaking	3	(Arts/Humanities)
CHM-2010 Organic Chemistry I	4	
BMT-2750 Leadership Development or PHL-1330 Ethics	3	(Arts/Humanities)
YEAR TWO SPRING SEMESTER at PGCC (15 credits)	Credits	Notes
BIO-2030 Genetics or BIO-2060 Anatomy and Physiology II	4	
HST-1519 or HST-1530 History of African American I & II	3	(Social Science)
CHM-2020 Organic Chemistry II	3	
CHM-2040 Organic Chemistry II Laboratory	2	
PSY-1010 General Psychology or SOC-1010 Intro to Sociology	3	(Social Science)
YEAR THREE FALL SEMESTER at BSU (17 credits)	Credits	Notes
ENGL 102 – Argument and Research	3	
COSC 112 Computer Science I	4	
BIOL 324 General Bioinformatics	3	
HEED 102 – Life & Health or HEED 200 – Fundamentals of Sex Ed	3	
MATH 225 Calculus I	4	
YEAR THREE SPRING SEMESTER at BSU (16 credits)	Credits	Notes
COSC 113 Computer Science II	4	
PHYS 353 Physics for Bioinformatics	4	
MATH 226 Calculus II	4	
BIOL 303 – Molecular Biology	4	
YEAR FOUR FALL SEMESTER (15 credits)	Credits	Notes
BIOL 421 Bioinformatics	4	
CHEM 309 Biochemistry I	3	
BIOL 313 – Cell Biology	4	
COSC 214 Data Structures & Algorithm	4	
YEAR FOUR SPRING SEMESTER at BSU (16 credits)	Credits	Notes

BIOL/COSC/CHEM elective (400 level)	4	
BIOL/COSC/CHEM elective (400 level)	4	
MATH 228 Linear Algebra	3	
BIOL 403 – Biology Seminar	2	
COSC 473 Artificial Intelligence	3	

3. Additional Provisions

- Courses that fulfill program requirements are only eligible for transfer if students have earned a grade of “C” or better. Students' overall grade point average and the trend of the most recent grades will be considered.
- Students must have a 2.0 cumulative grade point average in time of application.
- Bowie State University will accept up to 65 credits from a two-year college or up to 90 credits from a four-year college, but only a total of 90 credit hours and non-direct classroom instruction (including CLEP, LSAT, and other nationally recognized standardized examination scores).
- For non-direct classroom instruction, an appropriate score is determined by Bowie State University, and the student must submit original test scores/results to Bowie State University.
- For financial aid and scholarship information, please see the Financial Aid webpage.
- Students intending to transfer should complete the admission application for Bowie State University once they have reached 45 credits of the Associate Degree program. Students should contact the Financial Aid Office at Bowie State University as soon as possible in regard to college deadlines for financial aid. Students who have completed an associate degree at a Maryland community college are guaranteed admissions to Bowie.
- Students with financial difficulty who wish to request an application fee waiver may do so by contacting the Office of Admissions at ugradadmissions@bowiestate.edu or by contacting Ms. Shirley Holt, Assistant Director of Undergraduate Admissions Operations, at sholt@bowiestate.edu.

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.

Oversite of Records	Sending Institution	Receiving Institution
Name of staff person responsible for oversight	Mr. Kyle Turman	Dr. Shirelle Briscoe
Title of staff person	Academic, Transfer and Career Advisor	Assistant Vice President for Transfer & General Student Advocacy, Division of Enrollment Management, Office of the Provost
Email address	turmankx@pgcc.edu	sbriscoe@bowiestate.edu
Telephone Number	301-546-0833	301-860-3460

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:

Articulation Agreement Contact	Sending Institution	Receiving Institution
Name of person	Mr. Kyle Turman	Dr. Shirelle Briscoe
Title of person	Academic, Transfer and Career Advisor	Assistant Vice President for Transfer & General Student Advocacy, Division of Enrollment Management, Office of the Provost
Email address	turmankx@pgcc.edu	sbriscoe@bowiestate.edu
Telephone Number	301-546-0833	301-860-3460

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.

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 60 days written notice to the other Institution.
3. Both Institutions agree to meet once every **2 year(s)** to review the terms of this agreement, and renew or apply edits in written correspondence, copied to each party referenced in this document.

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 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

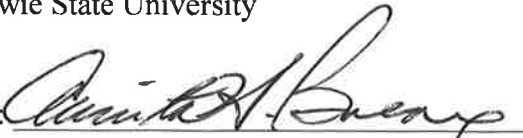
There are no third-party beneficiaries to this Agreement.

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.

Prince George's Community College	Bowie State University
By: _____ Name Title	By:  Aminta H. Breaux, Ph.D. President, Bowie State University
_____ Date	<u>7-6-21</u> Date

Date of next review (2 years from date of last signature): _____