

**ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN  
COMMUNITY COLLEGE OF BALTIMORE COUNTY AND  
GOUCHER COLLEGE REGARDING TRANSFER FROM THE ASSOCIATE OF  
SCIENCE IN SCIENCE AREA OF CONCENTRATION –CHEMISTRY AND  
GOUCHER COLLEGE BACHELOR OF ARTS DEGREE IN CHEMISTRY**

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between **Community College of Baltimore County** (the “Sending Institution”) and Goucher College the “Receiving Institution”) (collectively, the “Institutions”) to facilitate the transfer of academic credits from **Associate of Science in Science AOC Chemistry** for the completion of Bachelor of Arts in Chemistry (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**

**Community College of Baltimore County  
A.S. in Sciences AOC Chemistry to  
Goucher College B.A. in Chemistry**

This transfer plan is intended for students pursuing A.A. Sciences AOC Chemistry at Community College of Baltimore County who are interested in pursuing a B.A. in Chemistry at Goucher College. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Goucher College. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferable courses from this college.
- Goucher grants credit by exam through IB, and AP. More information can be found in the Goucher catalog <https://catalog.goucher.edu/>. For financial aid and scholarship information, please see click the website, Goucher Financial Aid, for more information.

- Transfer plans are intended to be used as planning tools. If you need additional assistance in selecting courses to take prior to transferring to Goucher, contact Melissa Egerton, assistant director for transfer recruitment 410-337-3057.

## Course by Course Equivalency (Goucher Catalog 2019-2020; CCBC Catalog 2019-2020)

CCBC Course	Credits	Goucher Equivalent	Credits	Notes
CHEM 131-General Chemistry I	4	CHE 111-Principles of Chemistry I with Lab	4	Satisfies Goucher's Chemistry Major Requirement and Goucher's GCR Biological and Physical Science Area requirement
ENGL 101-College Composition I	3	Lower Level Elective	3	Goucher Common Writing Requirement CWP** (Transfer Students will need to work with the Director of the Writing Program to submit a Portfolio. See note.)
MATH 251-Calculus I (Prerequisite: MATH 165)	4	MA 172-Calculus through Data and Modeling	4	Satisfies Goucher's Data Analytics Foundational Level requirement
CSIT 101-Technology and Information Systems OR CSIT 111- CSIT 111-Logic and OO Design	3	Lower Level Elective	3	Satisfies CCBC General Education Information Technology Requirement
CHEM 133-General Chemistry II (Prerequisite: CHEM 131)	4	CHE 151-Principles of Chemistry II with Lab	4	Satisfies Goucher's Chemistry Major Requirement (also satisfies Goucher Data Analytics Foundational Level requirement)
CMNS 101-Fundamentals of Communication	3	Lower Level Elective	3	Satisfies CCBC General Education Requirement
MATH 252-Calculus II (Prerequisite: MATH 251)	4	Lower Level MA Elective	4	
ENGL 218 <sup>a</sup> - African American Literature I, ENGL 219- African American Literature II, OR ENGL 224 <sup>b</sup> - Literature by Women	3	LIT 249 <sup>a</sup> -The Legacy of Slavery, WGS 222 <sup>b</sup> - Women and Literature, or lower Level WRT Elective (3)	3	Satisfies Goucher's Race, Power, and Perspective Commons Requirement  Satisfies both CCBC General Education Arts & Humanities and Diversity requirements

CCBC Course	Credits	Goucher Equivalent	Credits	Notes
CHEM 200-Organic Chemistry I with CHEM 201-Organic Chemistry Laboratory	4	CHE 230-Organic Chemistry I with Lab	4	Satisfies Goucher's Chemistry Major Requirement
MATH 259-Elementary Differential Equations (Prerequisite: MATH 252)	3	Lower Level MA Elective	3	
PHYS 151-General Physics I (Prerequisite: MATH 251 and PHYS 101) or permission from the Physical Science coordinator	4	PHY 125-General Physics I	4	Satisfies Goucher's Chemistry Major Requirement
SOCL 230-The Holocaust and Global Racism OR SOCL 141 <sup>c</sup> -Racial and Cultural Minorities	3	SOA 220 <sup>c</sup> -Comparative Race and Ethnic Relations OR Lower Level Elective	3	Satisfies Goucher's Race, Power, and Perspective Commons Requirement  Satisfies CCBC's General Education Social and Behavioral Sciences Requirement
ENVS 101-Introduction to Environmental Science (students will choose this Program Elective to meet Goucher's Commons requirements)	3	Lower Level Elective	3	Satisfies Goucher's Environmental Sustainability Commons Requirement
BIOL 110-Biology I: Molecules and Cells	4	BIO 101-Explorations in Biology I: The Research Process	4	
CHEM 202-Organic Chemistry II with CHEM 203-Organic Chemistry II Laboratory	4	CHE 235-Organic Chemistry II with Lab	4	Satisfies Goucher's Chemistry Major Requirement
PHYS 251-General Physics II (Prerequisite: PHYS 151)	4	PHY 126-General Physics II	4	Satisfies Goucher's Chemistry Major Requirement *** (see below)
Choose any Social and Behavioral Science General Education course from any discipline except for Sociology	3	Lower Level Elective	3	Satisfies CCBC General Education Requirement
<b>Total</b>	<b>60</b>		<b>60</b>	

\*\* College Writing Proficiency (CWP) – transfer students may submit a portfolio of academic writing to the Director of the Writing Program. Students should be advised to retain two academic papers, for a total of ten pages of academic writing for submittal to the director.

\*\*\*Goucher's Chemistry program acknowledges that transfer students are not expected to have covered waves and optics in PHYS 251.

Students can transfer in a maximum of 60 credits

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

#### Remaining Courses

Transfer students who have completed the plan as listed above (including recommended courses) and earn the A.S. in Science Area of Concentration Chemistry before transferring to Goucher will be exempt from Goucher's Complex Problem Exploration courses (CPE). Students will take the following courses at Goucher to meet the B.A. requirements. Students who transfer before completing the A.S. may have more Goucher Commons Requirements and program 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 Goucher. A minimum total of 120 credits are required for the degree.

Completion of the B.A. degree program in Chemistry requires students to successfully complete the following course work:

Course	Credit Hours	Explanation
CHE 245-Chemical Information Literacy	1 Credit	
CHE 355-Modern Methods of Chemical Analysis and Lab	4 Credits	Fulfills Writing in the Discipline (WID) and Data Analytics Across the Curriculum (DAC) requirements
CHE 465-Quantum Chemistry & Spectroscopy with Lab	4 Credits	Fulfills WID requirement
CHE 495Y-Independent Work in Chemistry or CHE 497 Capstone	495Y = 2-4 Credits per semester 497 = 1 Credit	
CHE 340-Biophysical Chemistry with Lab	4 Credits	
<b><u>6 credits from the following:</u></b> CHE 330-Organic Chemistry III CHE 341-Biochemistry	CHE 330 = 2 Credits CHE 341 = 4 Credits CHE 442 = 2 Credits	

Course	Credit Hours	Explanation
CHE 442-Techniques in Biochemistry	CHE 370 = 4 Credits	CHE 442 fulfills WID requirement
CHE 370-Environmental & Green Chemistry with Lab	CHE 372 = 4 Credits	
CHE 372-Inorganic Chemistry	CHE 380 = 2 Credits	
CHE 380-Medicinal Chemistry		
CHE 391H-Advanced Topics in Chemistry	CHE 391H= 2 Credits	
CHE 473-Inorganic Chemistry Lab	CHE 473 = 2 Credits	CHE 473 fulfills WID requirement

## Additional Credits Needed

Categories	Credit Hours	Explanation
Foreign Language Goucher Common Requirement	4 – 10 Credits	Transfer students are required to complete 4-10 credits (one to three courses) of foreign language. Placement will be determined upon completion of a language placement test prior to registering for courses.
Study Abroad Goucher Common Requirement	3 Credits (at least 3 weeks)	Students are required to study abroad before graduation for a semester or a three-week intensive course abroad. All transfer students who have studied abroad (for a minimum of three weeks and earned at least three credits approved by Goucher) will have satisfied the study abroad requirement upon enrollment.
Physical Education College Requirement	College Requirement	All students, with the exception of those students over the age of 24, must take a 7 week Physical Education Course.
One Writing Enriched Curriculum (WEC) Class Goucher Common Requirement	4 Credits	Writing Program Requirement

Total credits to be taken at Goucher: 60

## 3. Additional Provisions

- Courses that fulfill program requirements are only eligible for transfer if students have earned a grade of “C-” or better. Courses used to fulfill only general education requirements are eligible for transfer if students have earned a grade of “C-” or better.
- Students must maintain a (a 2.5) cumulative grade point average in order to transfer
- Students intending to transfer should complete the admission application for Goucher College following the third semester of their Associate Degree program.

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	Deb Baker	Melissa Egerton
Title of staff person	Assistant Registrar	Assistant Director for Transfer Recruitment
Email address	<a href="mailto:dbaker@ccbcmd.edu">dbaker@ccbcmd.edu</a>	<a href="mailto:Melissa.egerton@goucher.edu">Melissa.egerton@goucher.edu</a>
Telephone Number	443-840-4647	410-337-3057

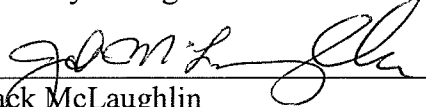
Should the staff person or position change, the institution will promptly provide new contact information to the partner institution and inform the Maryland Higher Education Commission of the change.

Additional contact information:

Articulation Agreement Contact	Sending Institution	Receiving Institution
Name of person	Nicole Zampino	Melissa Egerton
Title of person	Coordinator of Articulation, Transfer & Prior Learning Assessment (PLA)	Assistant Director for Transfer Recruitment
Email address	<a href="mailto:nzairi@ccbcmd.edu">nzairi@ccbcmd.edu</a>	<a href="mailto:Melissa.egerton@goucher.edu">Melissa.egerton@goucher.edu</a>
Telephone Number	443.840.4647	410-337-3057

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.

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

<p>Community College of Baltimore County</p> <p>By: <u></u> Jack McLaughlin Interim Vice President of Instruction</p> <p><u>2/17/2020</u> Date</p>	<p>Goucher College</p> <p>By: _____ Scott Sibley, PhD Interim Provost</p> <p>_____ Date</p>
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Date of next review (2 years from date of last signature): \_\_\_\_\_





#### 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 and the Maryland Higher Education Commission.
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 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

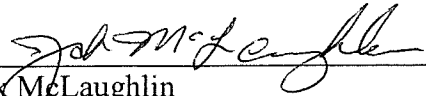
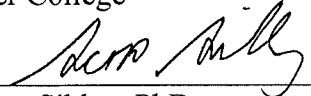
There are no third-party beneficiaries to this Agreement.

#### 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.

<p>Community College of Baltimore County</p> <p>By: <u></u> Jack McLaughlin Interim Vice President of Instruction</p> <p><u>2/17/2020</u> Date</p>	<p>Goucher College</p> <p>By: <u></u> Scott Sibley, PhD Interim Provost</p> <p><u>3/2/2020</u> Date</p>
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Date of next review (2 years from date of last signature): \_\_\_\_\_

