

**Academic Program Articulation Agreement Between
Carroll Community College
and
McDaniel College
Regarding Transfer from A.S. in Physical Science with a concentration in Chemistry
to B.A. in Biochemistry**

A. Purpose

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between Carroll Community College and McDaniel College (collectively, the “Institutions,” and individually, “Carroll” and “McDaniel”) to facilitate the transfer of academic credits from an Associate of Science (A.S.) in Physical Science with a concentration in Chemistry, CIP code 40.0101 for the completion of a Bachelor of Arts (B.A.) in Biochemistry, CIP code 26.0202 (the “Program”).

This Agreement offers a transfer pathway with degree requirements for the completion of both degrees and seeks to ensure the maximum potential for student success.

This Agreement serves to clarify roles and responsibilities of the Institutions for the purpose of this partnership.

B. Qualifying Students

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

1. Have successfully completed an A.S. in Physical Science with a concentration in Chemistry at Carroll;
2. Are enrolled in Carroll, in good standing; and
3. Are accepted for admission to McDaniel, and
4. Have a GPA of 2.75 or higher both in the area of study and cumulative.

C. 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 Carroll into McDaniel for the completion of the Program.
2. A Qualifying Student will:
 - (a) Receive guaranteed admission to McDaniel.
 - (b) Be considered for transfer scholarships if they are eligible.
 - (c) Be able to register for classes in April to ensure they will be able to enroll in the classes necessary to complete their degree in a timely manner.
 - (d) Have access to a Biochemistry advisor at McDaniel to ensure smooth transfer.
 - (e) Be eligible for additional scholarship consideration if they are members of Phi Theta Kappa (PTK).
3. To take advantage of this Agreement, a Qualifying Student will apply no later than January 15th and submit the deposit by March 15th.

4. 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).
5. Each Institution shall adhere to all applicable transfer requirements set forth in the Annotated Code of Maryland and the Code of Maryland Regulations.
6. 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.
7. Should either Institution make changes to program requirements, the institution will inform the partner institution immediately. This Agreement should be updated to reflect the changes and forwarded to the Maryland Higher Education Commission.
8. McDaniel shall designate, and shall provide to Carroll, the contact information for a staff person at McDaniel who is responsible for the oversight of the transfer of Qualifying Students. Carroll shall designate, and shall provide to McDaniel, the contact information for a staff person at Carroll who is responsible for the oversight of the transfer of Qualifying Students.

Contact information for person responsible for oversight:

	Carroll Community College	McDaniel College
Name:	Dr. Raza Khan	Dr. Wendy Morris
Title:	Division Chairperson of Sciences	Dean of the Faculty
Email address:	Rkhan@carrollcc.edu	wmorris@mcdaniel.edu
Telephone number:	(410) 386-8222	(410) 857-2521

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:

	Carroll Community College	McDaniel College
Name:	Dr. April Herring	Ms. Sheila Deane
Title:	Director of Advising and Transfer	Associate Registrar for Transfer Evaluation
Email address:	aherring@carrollcc.edu	sdeane@mcdaniel.edu
Telephone number:	(410) 386-8444	(410) 857-2518

D. Ongoing Collaboration

To strengthen this Agreement:

1. Faculty representatives from the Institutions will meet regularly to engage in ongoing discussion to enhance and strengthen this collaboration.
2. McDaniel’s Biochemistry Department agrees to have faculty serve as a resource, as available, to Carroll students and faculty as guest lecturers, workshop/seminar facilitators and other program exchanges.
3. Carroll agrees to learn about McDaniel’s Biochemistry program to highlight opportunities at McDaniel to students, as well as to have faculty serve as a resource, as available, to Carroll students and faculty as guest lecturers, workshop/seminar facilitators and other program exchanges.
4. The Institutions agree to communicate program changes in a timely manner to avoid disruption to student progress toward degree completion.

E. Program Articulation Agreement

The following details a recommended course of study for students earning the A.S. in Physical Science with a concentration in Chemistry at Carroll transferring to McDaniel in pursuit of the B.A. degree with a major in Biochemistry. The course recommendations are designed to meet the general education requirements of both Institutions at optimal levels. In the spirit of the College Readiness and Completion Act of 2013, this Agreement encourages the completion of all associate degree requirements.

Students interested in this program must complete the McDaniel College application process and be admitted to the College before credit evaluations are completed at McDaniel. Only courses with a "C-" or higher are eligible for transfer.

McDaniel requires students to have a minimum of 128 credit hours (credits) to graduate with a B.A. The Biochemistry major requires 64 credits. The remaining 64 (or more) credits come from electives and general education requirements. Carroll requires students take a minimum of 60 credits to get an A.S. in Physical Science with a Concentration in Chemistry.

Carroll Community College			McDaniel College Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to
Courses Applied to the Biochemistry Major						
CHEM 105	Principles of General Chemistry 1	4	CHE 1103	General Chemistry I	4	Major, SIL
CHEM 106	Principles of General Chemistry 1	4	CHE 1104	General Chemistry II	4	Major, SIL
BIOL 101	Fundamentals of Biology 1	4	BIO 1111	Principals of Biology	4	Major
MATH 135	Calculus of a Single Variable 1	4	MAT 1117 or STA 2215	Calculus 1 or Statistics	4	Major, QR
CHEM 201	Organic Chemistry 1	5	CHE 2217	Organic Chemistry I	5	Major
CHEM 202	Organic Chemistry 2	5	CHE 2218	Organic Chemistry II	5	Major
			BIO 1117	Topics in Biology	4	Major
			BIO 2208	Molecular Biology	4	Major
			CHE 3321	Biochemistry I	4	Major
			CHE 3322	Biochemistry II	4	Major
			CHE 2206	Bioinorganic Chemistry	4	Major
			CHE 2208	Bioanalytical Chemistry	4	Major
			CHE 3307	Physical Chemistry for Biological Science	4	Major
			CHE 3205	Chemical Literature/Science Writing	2	Major, WID
			CHE 4493	Senior Seminar	2	Major
			CHE 4498	Laboratory Research Independent Study	4	Major, EXP
			One 2000 or 3000 level Biology or Chemistry course		4	Major
Courses Applied to General Education Requirements & Credits						

MATH 136	Calculus of a Single Variable 2	4	MAT 1118	Calculus 2	4	
PHYS 101/111	Fundamentals of Physics 1	4	PHI 1101	General Physics 1	4	
PHYS 102/212	Fundamentals of Physics 2	4	PHI 1102	General Physics 2	4	
ENGL 101	College Writing	3	ENG 1101	Intro to College Writing	3	CW
ENGL 102	Writing about Literature	3	ENG 2110	Writing about Literature	3	TA
	Social & Behavioral Sciences, course #1	3		Social, Cultural, Historical Understanding course	3	SCH
	Social & Behavior Sciences, course #2*	3				
	Arts & Humanities, Course #1*	3				
	Arts & Humanities, Course #2*	3				
	Elective*	4				
				International course	4	I or IN
				International nonwestern course	4	IN
				Multicultural course	4	M
				Textual Analysis course	4	TA
				Creative Expression course	4	CE
				Second Language	0-8	SL
				Jan Term	2	JT
			MDC 3100	My Career	1	
				Experiential Learning	0-4	
				Electives	6-18	
Total Credits Transferred		60	Total Credits		128	

*Depending upon the 4 courses students select at Carroll to meet their second Social & Behavioral Science course, both of their Arts & Humanities courses, and their elective course, they may be able to satisfy additional general education requirements at McDaniel College: Creative Expression (CE), Multicultural (M), International Nonwestern (IN), or International (I). Students can contact the Carroll advising office or the McDaniel registrar's office regarding which Carroll classes transfer as McDaniel general education classes.

Upon completion of their A.S. degree, students will receive a waiver to the McDaniel Plan requirements of First Year Seminar and My Design. Students may also wish to achieve proficiency in a second language, as this is a requirement at McDaniel. =

The plan outlined results in 60 earned credits, which is considered sophomore class level at McDaniel (32-63.5 credits). Students may wish to complete one additional course at Carroll to enter McDaniel at the junior class level (64-95.5 credits). Students can transfer a maximum of 64 credits.

Students should contact the Admissions Office to learn about scholarship and need-based financial aid opportunities that may be available.

F. 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 180 days written notice to the other Institution and the Maryland Higher Education Commission. Such termination will not affect the participation in the articulated programs of those Carroll students who have been fully or conditionally admitted to McDaniel.
3. Both Institutions agree to meet once every 3 year(s) to review the terms of this agreement.

G. 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.
3. Minor adjustments to course titles and/or sequential numbering do not require mutual written consent.

H. Governing Law

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

I. 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.

J. 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.

K. No Third-Party Beneficiaries

There are no third-party beneficiaries to this Agreement.

L. 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.

By: _____
Roger N. Casey, Ph.D.
President
McDaniel College

Date

By: _____
James Ball, Ph.D.
President
Carroll Community College

Date

By: _____
Julia Jasken, Ph.D.
Provost and Executive Vice President
McDaniel College

Date

By: _____
Rosalie Mince, Ph.D.
Vice President Academic & Student Affairs
Carroll Community College

Date