

**ROWAN COLLEGE AT GLOUCESTER COUNTY
And
UNIVERSITY OF DELAWARE**

PROGRAM ARTICULATION AGREEMENT

**Associate Degree
A.S.**

**Baccalaureate Degree
B.S.**

2018 through 2021

Associate-Baccalaureate Program Articulation Agreement

between

**Rowan College at Gloucester County
and
University of Delaware
for
A.S./B.S.**

AGREEMENT

WHEREAS Rowan College at Gloucester County (RCGC) and University of Delaware (UD) are committed to expanding educational opportunities for the citizens of the State of Delaware and the State of New Jersey, and

WHEREAS the two institutions are committed to providing a smooth transition for students wishing to earn an associate degree and a baccalaureate degree, and

WHEREAS the intent of the two institutions is to avoid duplication of curricula where appropriate within articulated programs of studies, and

WHEREAS the two institutions better serve the educational growth of students and the economic development of the community through cooperative educational planning and optimal utilization of community resources,

BE IT HEREWITH RESOLVED that this agreement commits the partners to full support of an articulation process between similar academic programs offered by the two institutions.

PROVISIONS OF THE AGREEMENT

1. The institutions agree to follow the connected degree curriculums delineated in this document for the transfer of RCGC's Associate Degree Program in Biology-Bioscience Technologies Option and UD's Bachelor of Science Degree Program in Applied Molecular Biology & Biotechnology.
2. Both institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.
3. Graduates of the RCGC program who have completed the associate degree with a cumulative grade point average of 2.80 or higher will automatically be accepted into the baccalaureate program at UD. Students will be considered for admission based on the completed work at the time of the review. RCGC will provide confirmation of degree completion upon students' final semester of coursework. Students who do not complete the degree program as outlined in the agreement may have admission based on the articulation agreement criteria rescinded, however still may be considered for regular transfer admission based on the totality of their academic record. UD reserves the right to recalculate the RCGC cumulative grade point average to account for RCGC's grade forgiveness policy when making admission decisions.
4. Students must complete the courses in the specified associate degree program herein with a grade of C or better to receive the credits for transfer. Students are expected to complete all courses outlined in the RCGC portion of the agreement at RCGC. Students who have attended a college or university other than RCGC and transferred credits to RCGC in pursuit of the associate degree program may not be admissible via the provisions of this articulation agreement. In such cases, students will be considered based on their entire academic history and not guaranteed admission to the bachelor's degree program or the course equivalencies detailed within the provisions of this agreement. Coursework taken at an institution other than RCGC may not transfer to UD as noted in the agreement. It is expected that students will complete all coursework in the UD portion of the agreement at UD. Students who previously attended UD are not eligible for admission via an articulation agreement and instead should apply for readmission consideration if wishing to re-enroll at UD.
5. Students intending to transfer should complete the UD admissions application following the third semester of their associate degree program. Students should note on their application that they are applying as part of an articulation agreement/connected degree.
6. Students are subject to all the policies and procedures of both institutions.

7. Students are subject to all specific policies pertaining to students admitted to the Applied Molecular Biology & Biotechnology Bachelor's Degree Program.
8. This articulation agreement is based on the present curricula contained in this document and it is effective for a period of five years from the date of signing by both parties.
9. Both institutions at any time may initiate changes to this articulation agreement. Both institutions reserve the right to modify the programs as deemed necessary and agree to inform the appropriate individuals of said changes. Departments will review agreements and notify the appropriate individuals at each institution of any changes by July 1 of each year the agreement is in effect. The University of Delaware will make a good faith effort to honor this articulation agreement for any Rowan College at Gloucester County student who enrolls in the Biology-Bioscience Technologies Option Associate Degree program during the five year period specified for this agreement, and graduates with the required associate degree within eight (8) years of the signing of this agreement by both parties. A student who meets these conditions must apply to the University of Delaware and be accepted in order to receive the benefits of this agreement.

CONNECTED DEGREE ANALYSIS

Matching Worksheet/Suggested Course Sequence/Bachelor's Completion

ASSOCIATE DEGREE PROGRAM		BACHELOR'S DEGREE COURSE MATCH OR POTENTIAL COURSE MATCH		BACHELOR'S DEGREE COMPLETION	
A.S. ROWAN COLLEGE AT GLOUSTER COUNTY				B.S. UNIVERSITY OF DELAWARE	
Course No./Name First Semester (fall)	CR	Course No./Name	CR	Course No./Name Fifth Semester (fall)	CR
ENG 101 English Composition I	3	ENGL 166T Transfer Elective	3	MEDT 301 Intro to Biotech	2
BIO 101 General Biology I	4	BISC 166T Transfer Elective BIO101 + BIO102 = BISC 207 & 208 Introductory Biology I & II	4	MEDT 360 Clinical Immunology & Med Virology	3
CHM 111 General Chemistry I	4	CHEM 103 General Chemistry	4	MEDT 408 Molecular Prep Tech	2
MAT 107 Pre-Calculus and Math Analysis	4	MATH 115 Pre-Calculus MATH 166T Transfer Elective	3 1	MEDT 425 Basic Molecular Tech	4
				ENGL 110 Seminar in Composition	3
				MEDT 200 The Language of Medicine	3
	15		15		17
Second Semester (spring)				Sixth Semester (spring)	
ENG 102 English Composition II	3	ENGL 280 Approaches to Literature for Non-Majors (Creative Art Breadth)	3	MEDT 450 Medical Biochemistry	4
BIO 102 General Biology II	4	BIO101 + BIO102 = BISC 207 & 208 Introductory Biology I & II	4	MEDT 426 Protein Purification & Characterization	3
CHM 112 General Chemistry II	4	CHEM 104 General Chemistry	4	MEDT 451 Cell & Tissue Culture Tech	4
MAT 108 Calculus I	4	MATH 241 Analytic Geometry and Calculus A	4	MEDT 491 Human Molecular Diagnostics	3

					MEDT 492 Application of Molecular Diagnostics Technique	3
Sub-Total		15		15		17

ASSOCIATE DEGREE PROGRAM A.S. Rowan College at Gloucester County		BACHELOR'S DEGREE COURSE MATCH OR POTENTIAL COURSE MATCH		BACHELOR'S DEGREE COMPLETION B.S. UNIVERSITY OF DELAWARE	
Course No./Name Third Semester (fall)	CR	Course No./Name	CR	Course No./Name Seventh Semester (fall)	CR
BIO 209 Ecology	4	BISC 302 General Ecology BISC366T Transfer Elective	3 1	MEDT 435 Practical Genomics, Proteomics & Bioinformatics	3
BIO 215 Microbiology	4	BISC 300 Introduction to Microbiology	4	MEDT 441 Biotech Practicum I	3
XX Social Science Elective Suggest PSY 101 or SOC 101; other courses may be suitable – check UD's transfer credit matrix to identify courses and seek advisement to determine applicability to UD degree.	3	PSY 101 = UD's PSYC 100; SOC 101 = UD's SOC1 201	3	MEDT 442 Biotech Practicum II	3
XX Humanities Elective	3	Elective TBD	3	MEDT 461 Lab Practice & Leadership I	1
BIO 105 Anatomy and Physiology I	4	KAAP 309 Human Anatomy & Physiology I	4	ANFS 449 Food Biotechnology Second Writing Course	4 3
	18		18		17
Fourth Semester (spring)				Eighth Semester (spring)	
CHM 201 Organic Chemistry I	4	CHEM 321 Organic Chemistry & CHEM 325 Organic Chemistry Lab	4	HLTH 241 Ethical Aspects of Healthcare	3
BIO 221 Cell and Molecular Biology	4	MEDT 490 Clinical & Molecular Cell Biology MEDT 466T	3 1	MEDT 427 Flow Cytometry	2
XX Social Science or Humanities Elective Suggest HIS 205 or HIS 206; other courses may be suitable – check UD's transfer credit matrix to identify	3	HIS 205 = UD's HIST 103; HIS 206 = UD's HIST 104.	3	MEDT 443 Biotech Practicum III	3

courses and seek advisement to determine applicability to UD degree.						
HPE XX HPE Elective	1-3	Elective TBD	1-3	MEDT 444	Biotech Practicum IV*	3
BIO 106 Anatomy and Physiology II	4	KAAP 310 Human Anatomy & Physiology II	4	MEDT 471	Lab Practice & Leadership II	1
				MEDT 375	Stats & Research for MLS	2
TOTAL	16-18		16-18			14
			18			

* MEDT 444 satisfies the Discovery Learning Experience and the Capstone requirement

CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

ASSOCIATE DEGREE A.S. ROWAN COLLEGE AT GLOUCESTER COUNTY				BACHELOR'S DEGREE B.S. UNIVERSITY OF DELAWARE			
Semester 1 (Fall)			CR	Semester 5 (Fall)			CR
ENG	101	English Composition I	3	MEDT	301	Introduction to Biotechnology	2
BIO	101	General Biology I	4	MEDT	360	Clinical Immunology & Med Virology	3
CHM	111	General Chemistry I	4	MEDT	408	Molecular Prep Tech	2
MAT	107	Pre-calculus & Math Analysis	4	MEDT	425	Basic Molecular Tech	4
				ENGL	110	Seminar in Composition	3
				MEDT	200	The Language of Medicine	3
Semester 2 (Spring)			15	Semester 6 (Spring)			17
ENG	102	English Composition II	3	MEDT	450	Medical Biochemistry	4
BIO	102	General Biology II	4	MEDT	426	Protein Purification & Characterization	3
CHM	112	General Chemistry II	4	MEDT	451	Cell & Tissue Culture Tech	4
MAT	108	Calculus I	4	MEDT	491	Human Molecular Diagnostics	3
				MEDT	492	Application of Molecular Diagnostics Technique	3
Semester 3 (Fall)			15	Semester 7 (Fall)			17
BIO	102	Ecology	4	MEDT	435	Practical Genomics, Proteomics & Bioinformatics	3
BIO	125	Microbiology	4	MEDT	441	Biotech Practicum I	3
XXX	XXX	Social Science Elective	3	MEDT	442	Biotech Practicum II	3
XXX	XXX	Humanities Elective	3	MEDT	461	Lab Practice & Leadership I	1
BIO	105	Anatomy & Physiology I	4	ANFS	449	Food Biotechnology	4
						Second Writing Course	3
Semester 4 (Spring)			18	Semester 8 (Spring)			17
CHM	201	Organic Chemistry I	4	HLTH	241	Ethical Aspects of Healthcare	3
BIO	221	Cell & Molecular Biology	4	MEDT	427	Flow Cytometry	2
XXX	XXX	Social Science or Humanities Elective	3	MEDT	443	Biotech Practicum III	3
HPE	XXX	HPE Elective	1-3	MEDT	444	Biotech Practicum IV	3
BIO	106	Anatomy & Physiology II	4	MEDT	471	Lab Practice & Leadership II	1
				MEDT	375	Stats & Research for MLS	2
Total Credits			16-18				14
			64-66				65

- MEDT100, CHEM214, CHEM322 & CHEM326 are waived
- The Bachelor of Science program in Applied Molecular Biology & Biotechnology requires a minimum of 122 credits.
- Course sequencing may vary by semester. See your advisor.
- UD's Transfer Credit Matrix may be found at this site - <https://udapps.nss.udel.edu/transfercredit/>.

For more information contact:

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University of Delaware
Esther Biswas-Fiss, Ph.D.
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The articulation agreement is subject to change based on Rowan College and senior institution curriculum changes 06/2018

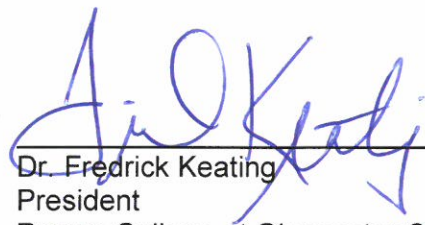
APPROVAL

This program articulation agreement is between RCGC's Associate of Applied Science Degree in Biology – Bioscience Technologies Option and UD's Bachelor of Science Degree in Applied Molecular Biology & Biotechnology.

Approval is granted for a period of five years effective on the date both parties have signed this agreement.

Rowan College at Gloucester County

UNIVERSITY OF DELAWARE



Dr. Fredrick Keating
President
Rowan College at Gloucester County

7/2/18


Date



Dr. Robin Morgan
Provost
University of Delaware

7/23/18

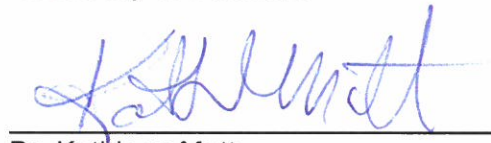
Date



Dr. Brenden Rickards
Vice President, Academic Services

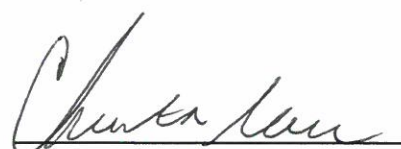
7/2/18

Date



Dr. Kathleen Matt
Dean
College of Health Sciences

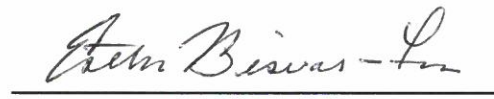
Date



Dr. Christina Nase
Dean
STEM

7/2/18

Date



Dr. Esther Biswas-Fiss
Chair
Medical and Molecular Sciences

7/10/18

Date