

Transfer Articulation Agreement

Between

Bergen Community College

and

Ramapo College

for the

A.S. degree in Sciences and Mathematics Programs

and the

B.S. and B.A. degrees in Sciences and Mathematics Programs

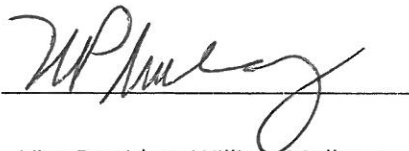
The intent of the Agreement is to facilitate the smooth transfer and transition of graduates from Bergen Community College into appropriate upper level programs at Ramapo College of New Jersey. The successful implementation of the Agreement depends on the communication of its contents to all involved participants, and the assumption of responsibility by both institutions for such communication to each other and to the students.

This agreement is based upon the Statewide New Jersey Transfer Agreement, the completion of an Associate's degree in the specified Bergen Community college programs, and the ultimate completion of a Bachelor's degree in the approved transfer program at Ramapo College or other program as identified in the Agreement.

This agreement is in full compliance with the State's Full Faith and Credit Policy and the Transfer Advisory Board's Interpretive Statement of that policy.

The terms of the Agreement apply to those graduates as of Spring 2014 and entering the upper level program after Spring 2014. Programmatic changes by either institution will necessitate amendments to this Agreement as appropriate.

For: Bergen Community College



Vice President William Mullaney

6/10/14

Date

For: Ramapo College of New Jersey



Provost Beth Barnett

10 June 2014

Date

Transfer Articulation Agreement

between

Bergen Community College

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A.S. degree in Sciences and Mathematics Programs

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This Transfer Articulation Agreement is meant to cover students graduating with the Bergen Community College's A.S. degree in the following programs:

Natural Science and Mathematics

Entering the following nine BS programs in Ramapo College's School of Theoretical and Applied Science:

Biology

Biochemistry

Chemistry

Mathematics

Computer Science

Engineering Physics

Environmental Science

Bioinformatics

Integrated Science Studies

The following conditions, equivalencies and recommendations have been identified by the two institutions participating in this agreement.

- I. Under the existing transfer agreement between Ramapo College and Bergen Community College:
  - a. The Ramapo College Application Fee is waived with submission of Ramapo College's *paper* application and Bergen Community College's Signed Agreement Form.
  - b. The General Education of Bergen Community College requirements are satisfied (unless required for the major)
  - c. Students have completed all requirements of Bergen Community College Associate's degree program and qualify for the waivers approved under New Jersey Transfer.
  - d. Criteria for admission to the University and/or to the specific upper level program:

- i. *Transfer students to be covered by this agreement are eligible for admission to Ramapo College upon completion of the designated A.S. degree with a minimum grade point average of 2.5 for the above listed programs covered by this agreement.*

II. Transferred General Education courses

<i>3 Credits</i>	<i>Communication - Communication</i>
<i>6 Credits</i>	<i>Communication - Writing/Literature</i>
<i>3 Credits</i>	<i>Humanities</i>
<i>3 Credits</i>	<i>Humanities</i>
<i>3 Credits</i>	<i>Humanities</i>
<i>3 Credits</i>	<i>Humanities</i>
<i>3 Credits</i>	<i>Social Science</i>
<i>3 Credits</i>	<i>Social Science</i>
<i>3 Credits</i>	<i>Gen. Ed. Elective</i>

III. Course equivalencies and/or area requirements.

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
Biology	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab
	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	BIO 101 General Biology I Lec. & Lab	BIO 110 Fundamentals of Biology I Lec. & Lab
	4	BIO 203 General Biology II Lec. & Lab	BIO 112 Fundamentals of Biology II Lec. & Lab
	4	CHM 260 Organic Chemistry I Lec. & Lab	CHEM 210 Organic Chemistry I Lec. & Lab
	4	CHM 262 Organic Chemistry II Lec. & Lab	CHEM 212 Organic Chemistry II Lec. & Lab

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
Chemistry	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab
	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	PHY 280 Physics I Lec. & Lab	PHYS 114 Physics with Calculus I*
	4	PHY 290 Physics I Lec. & Lab	PHYS 115 Physics with Calculus II*
	4	CHM 260 Organic Chemistry I Lec. & Lab	CHEM 210 Organic Chemistry I Lec. & Lab
	4	CHM 262 Organic Chemistry II Lec. & Lab	CHEM 212 Organic Chemistry II Lec. & Lab

Program	Credits	Courses at Bergen Community College	Equivalence at Ramapo College (Receiving
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		<b>(Sending Institution):</b>	<b>Institution):</b>
<b>Biochemistry*</b>	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab
	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	BIO 101 General Biology I Lec. & Lab	BIO 110 Fundamentals of Biology I Lec. & Lab
	4	BIO 203 General Biology II Lec. & Lab	BIO 112 Fundamentals of Biology II Lec. & Lab
	4	CHM 260 Organic Chemistry I Lec. & Lab	CHEM 210 Organic Chemistry I Lec. & Lab
	4	CHM 262 Organic Chemistry II Lec. & Lab	CHEM 212 Organic Chemistry II Lec. & Lab
	4	PHY 280 Physics I Lec. & Lab	PHYS 114 Physics I w/ Calculus Lec. & Lab
	4	PHY 290 Physics II Lec. & Lab	PHYS 115 Physics II w/ Calculus Lec. & Lab

<b>Program</b>	<b>Credits</b>	<b>Courses at Bergen Community College (Sending Institution):</b>	<b>Equivalence at Ramapo College (Receiving Institution):</b>
<b>Mathematics</b>	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	MAT 281 Calculus II	MATH 122 Calculus II
	4	MAT 282 Calculus III	MATH 225 Multivariable Calculus
	4	MAT 283 Differential Equations	MAT 305 Differential Equations
	3	CIS 265 Advanced Programming Concepts	CMPS 147 Computer Science I
	3	CIS 287 Object Oriented Programming	CMPS 148 Computer Science II
	4	PHY 280 Physics I Lec. & Lab	PHYS 114 Physics I w/ Calculus Lec. & Lab
	4	PHY 290 Physics II Lec. & Lab	PHYS 115 Physics II w/ Calculus Lec. & Lab

<b>Program</b>	<b>Credits</b>	<b>Courses at Bergen Community College (Sending Institution):</b>	<b>Equivalence at Ramapo College (Receiving Institution):</b>
<b>Computer</b>	3	CIS 265 Advanced Programming	CMPS 147 Computer Science I

Science		Concepts	
	3	CIS 287 Object Oriented Programming	CMPS 148 Computer Science II
	3	CIS 271 Computer Organization and Assembly Language	CIS 220 Assembly Language Programming
	3	CIS 277 Data Structures and Algorithms	CMPS 231 Data Structures
	4	CIS 288 Discrete Math	MATH 237 Discrete Structures
	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	MAT 281 Calculus II	MATH 122 Calculus II

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
Engineering Physics	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	MAT 281 Calculus II	MATH 122 Calculus II
	4	MAT 282 Calculus III	MATH 225 Multivariable Calculus
	4	MAT 283 Differential Equations	MATH 305 Differential Equations
	3	CIS 265 Advanced Programming Concepts	CMPS 147 Computer Science I
	4	PHY 280 Physics I Lec. & Lab	PHYS 114 Physics I w/ Calculus Lec. & Lab
	4	PHY 290 Physics II Lec. & Lab	PHYS 115 Physics II w/ Calculus Lec. & Lab

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
Bioinformatics*	4	MAT 280 Calculus I	MATH 121 Calculus I
	4	BIO 101 General Biology I Lec. & Lab	BIO 110 Fundamentals of Biology I Lec. & Lab
	4	BIO 203 General Biology II Lec. & Lab	BIO 112 Fundamentals of Biology II Lec. & Lab
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab

	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	CHM 260 Organic Chemistry I Lec. & Lab	CHEM 210 Organic Chemistry I Lec. & Lab
	4	CHM 262 Organic Chemistry II Lec. & Lab	CHEM 212 Organic Chemistry II Lec. & Lab
	3	CIS 265 Advanced Programming Concepts	CMPS 147 Computer Science I
	3	CIS 287 Object Oriented Programming	CMPS 148 Computer Science II

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
<b>Environmental Science</b>	4	BIO 101 General Biology I Lec. & Lab	BIO 110 Fundamentals of Biology I Lec. & Lab
	4	BIO 108 Intro to Environmental Science Lec. & Lab	ENSC 103 Intro to Environmental Science Lec. & Lab
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab
	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	PHY 113 Geology Lec. & Lab	GEOL105 Fundamentals of Geology I Lec. & Lab
		Choose one of the following:	
	3	MAT 150 Statistics I -OR-	MATH 108 Elementary Probability and Statistics
	4	MAT 280 Calculus I	MATH 121 Calculus I

Program	Credits	Courses at Bergen Community College (Sending Institution):	Equivalence at Ramapo College (Receiving Institution):
<b>Integrated Science Studies</b>	4	BIO 101 General Biology I Lec. & Lab	BIO 110 Fundamentals of Biology I Lec. & Lab
	4	BIO 203 General Biology II Lec. & Lab	BIO 112 Fundamentals of Biology II Lec. & Lab
	4	CHM 140 General Chemistry I Lec. & CHM 141 General Chemistry I Lab	CHEM 110 Fundamentals of Chemistry Lec. & Lab

	4	CHM 240 General Chemistry II Lec. & CHM 241 General Chemistry II Lab	CHEM 112 Fundamentals of Chemistry II Lec. & Lab
	4	PHY 186 General Physics I Lec. & Lab	PHYS 110 Fundamentals of Physics I Lec. & Lab
	4	PHY 286 General Physics II Lec. & Lab	PHYS 112 Fundamentals of Physics II Lec. & Lab
	3-4	MAT 180 Precalculus or MAT 150 Statistics I	MATH 110 Precalculus or MATH 108 Elementary Probability and Statistics
	4	BIO 108 Intro to Environmental Science Lec. & Lab	ENSC 103 Intro to Environmental Science Lec. & Lab

\* = Programs that are 2+2 only for students who begin their Bergen Community College degree with a *math proficiency of MAT 280 Calculus I*. If the student needs prerequisite math courses, then he/she can expect to spend additional semesters at either institution.



Miscellaneous

**A. NOTICES REQUIRED BY AGREEMENT** - Any notice which must be sent to Ramapo College shall be forwarded by facsimile or overnight mail with confirmation of delivery to the following individuals:

Dr. Edward Saiff  
Dean  
Ramapo College of New Jersey  
505 Ramapo Valley Road,  
Mahwah, NJ 07430

Dr. Eric Daffron  
Vice Provost for Curriculum and Assessment  
Ramapo College of New Jersey  
505 Ramapo Valley Road  
Mahwah, NJ 07430

Christopher Romano  
Associate VP of Enrollment  
Management  
Ramapo College of New Jersey  
505 Ramapo Valley Road,  
Mahwah, NJ 07430

Any notice which must be sent to BCC shall be forwarded by facsimile or overnight mail with confirmation of delivery to the following individuals:

PJ Ricatto  
Dean of Mathematics, Science  
and Technology  
Bergen Community College  
400 Paramus Road,  
Paramus NJ 07652

William Mullaney  
Vice President of Academic  
Affairs  
Bergen Community College  
400 Paramus Road,  
Paramus NJ 07652

Ronald Milon  
Vice-president of  
Administrative Services  
Bergen Community College  
400 Paramus Road,  
Paramus NJ 07652

**B. SELF-INSURANCE BY INSTITUTION** – Ramapo College of New Jersey is an agency of the State of New Jersey. Any agreement or arrangement signed or entered into on behalf of the State of New Jersey by a State official or employee shall be subject to all of the provisions of the New Jersey Torts Claims Act, NJSA 59:1-1 et seq., the New Jersey Contractual Liability Act, NJSA 59:13-1, et seq., and the availability of appropriations. The State of New Jersey does not carry public liability insurance,

but the liability of the State and the obligations of the State to be responsible for tort claims against its agencies and employees is covered under the terms and provisions of the New Jersey Tort Claims Act. The Act also creates a special self-insurance fund and provides for payment and claims against the State of New Jersey against its employees for which the State of New Jersey is obligated to indemnify against tort claims which arise out of the performance of their duties. Claims against the University or its employees should be referred for handling to the Attorney General, Division of Law, Claims Service Section, Richard Hughes Complex, Trenton, New Jersey 08625. Furthermore, the State of New Jersey self-funds for Workers Compensation and Disability.

**C. ANTI-DISCRIMINATION** – The parties agree not to discriminate in employment and agree to abide by all anti-discrimination laws including those contained within N.J.S.A. 10:2-1 through N.J.S.A. 10:2-4, N.J.S.A.10:5-1 et seq. and N.J.S.A.10:5-31 through 10:5-38, and all rules and regulations issued there under.

**D. AMERICANS WITH DISABILITIES ACT** –The parties agree to comply with all provisions of the Americans with Disabilities Act (ADA), P.L. 101-336, in accordance with 42 U.S.C. 12101 et seq. 1.4


**E. COMPLIANCE - LAWS** –The parties shall comply with all local, state and federal laws, rules and regulations applicable to the contract.

**F. SUBCONTRACTING OR ASSIGNMENT** - The Agreement may not be subcontracted or assigned in whole or in part, without the prior written consent of both parties. Such consent, if granted, shall not relieve either party of any of its responsibilities under the contract.

**G. MAINTENANCE OF RECORDS** - The parties shall maintain records associated with the performance of this contract in accordance with the applicable provisions of the NJ State Record Retention Policy. Such records shall be made available to either party upon request for purposes of conducting an audit or for ascertaining other information.

The foregoing terms and conditions are agreed to and accepted by the parties by affixing their signature below. This Agreement may be signed in counterparts and shall be enforceable by facsimile or original signature.

Ramapo College of New Jersey

By: 

Dr. Beth Barnett, Provost

Bergen Community College

By: 

Dr. William Mullaney, Vice President  
of Academic Affairs