

TRANSFER ARTICULATION AGREEMENT

BETWEEN

**WILLIAM PATERSON UNIVERSITY
COLLEGE OF SCIENCE AND HEALTH
Bachelor of Arts and Bachelor of Science Degrees**

AND

**MERCER COUNTY COMMUNITY COLLEGE
DIVISION OF MATH, SCIENCE, HEALTH PROFESSIONS
Associate in Science Degrees**

The intent of this articulation agreement is to define the procedures for a transfer articulation between **William Paterson University (WPU) College of Science and Health** and **Mercer County Community College (MCCC) Division of Math, Science, Health Professions**. Both WPU and MCCC agree to mutual cooperation in establishing and maintaining articulation for their respective programs for the Associate degree programs transferable to the College of Science and Health Bachelor degree programs. The principal beneficiaries of this agreement are students enrolled in Associate in Science programs in the Division of Math, Science, Health Professions whose progress toward their degrees is best assured when they are provided with current information about courses and programs. Firm arrangements between departments and institutions provide these students with the opportunity to plan a total baccalaureate degree through program to program agreement at the outset of their college education.

William Paterson University agrees to accept all the general education or university core credits included in this agreement. Per its transfer credit policy, **William Paterson University** agrees to accept up to half of the credits required for the major. Course equivalencies for Math, Science, and Health prerequisites and major courses will also be accepted (see Appendix A for specific course requirements) and will serve as the basis for equivalencies.

This agreement will become effective immediately upon the signatures of both parties. Immediately thereafter, **William Paterson University** will provide information packets for transfer admission, special transfer days, and other recruitment services. In turn, **Mercer County Community College** will make available to its students all information, including the list of course equivalencies pertaining to this agreement. The agreement and equivalencies will be reviewed on a regular basis and whenever changes are made by either party.

PRINCIPLES OF THE AGREEMENT

COMPLETION OF PROGRAMS

Mercer County Community College transfer students will be required to meet all graduation requirements as listed for William Paterson University students.

SPECIFIC REQUIREMENTS

The determination of major program requirements for a baccalaureate degree in the College of Science and Health shall be the responsibility of William Paterson University.

ELIGIBILITY

A. Course equivalencies and/or area requirements. Specific courses required for admission to Math, Science and Health Programs have been included in Appendix A.

B. Students with an Associate in Science Degree in Math, Science, Health*

Students who earn an Associate in Science degree in Math, Science or Health at Mercer County Community College are guaranteed junior status admission to William Paterson University conditional upon meeting the prerequisites of the minimum requirements for admission to the College of Science and Health. Associate degree students will be provided with individual evaluations of coursework based on course equivalencies articulated between Mercer County Community College and William Paterson University College of Science and Health.

FINANCIAL AID

College students transferring to William Paterson University will be treated the same as native William Paterson University students of equal class standing when applying for financial aid and in the award and distribution of funds.

AGREEMENT REVIEW AND UPDATE

Mercer County Community College and William Paterson University will assign a staff member to serve as a liaison to assure maintenance of communication between the two institutions. As necessary, Mercer County Community College and William Paterson University faculty shall meet to discuss academic programs, especially with regard to any changes being contemplated. William Paterson University and Mercer County Community College representatives will consult whenever changes in policy or curricula are articulated which will affect students transferring under the terms of this Agreement. Representatives from both institutions shall also facilitate support, consultation, and collaboration between their faculties in matters related to this Agreement, general education, degree requirements, and other academic matters.

*As stated in the NJ Statewide Transfer Agreement.

Appendix A
Associate in Science Degrees in Math, Science, Health at Mercer County Community College
and
Bachelor of Arts and Bachelor of Science Degrees
at William Paterson University
College of Science and Health

STEM Program	Credits	Mercer Course	WPU Equivalency
<p>Associate in Science in Liberal Arts and Sciences: Biology</p> <p><i>to</i></p> <p>Bachelor of Science • <i>Biology-General</i> • <i>Biology-Ecology</i> • <i>Biology-Physiology and Behavior</i> • <i>Biotechnology</i></p> <p>Bachelor of Arts • <i>Integrated Math & Science-Biology</i></p>	4	BIO 101 General Biology I	BIO 1630 General Biology I <i>(required)</i>
	4	BIO 102 General Biology II	BIO 1640 General Biology II <i>(required)</i>
	4	BIO 204 Ecology	BIO 3400 Ecology <i>(required elective choice for Integrated Math & Science- Biology)</i>
	4	BIO 202 Woody Plants ³	Elective Credit ³
	4	CHE 101 General Chemistry I	CHEM 1600 General Chemistry I <i>(required)</i>
	4	CHE 102 General Chemistry II	CHEM 1620 General Chemistry II <i>(required)</i>
	5	CHE 201 Organic Chemistry I	CHEM 2570 Organic Chemistry I <i>(required)</i>
	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action <i>(University Core Course-Expression: Arts & Communication)</i>
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing <i>(University Core Course-Writing Intensive)</i>
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health <i>(University Core Course-Personal Well Being)</i>
	4	MAT 146 Pre-Calculus	MATH 1160 Pre-Calculus <i>(prerequisite)</i>
	4	MAT 151 Calculus I	MATH 1600 Calculus I <i>(prerequisite)</i>
	4	MAT 152 Calculus II	MATH 1610 Calculus II <i>(required)</i>

STEM Program	Credits	Mercer Course	WPU Equivalency
Associate in Science in Lib Arts & Sciences: Chemistry to Bachelor of Science Bachelor of Arts Chemistry	4	CHE 101 General Chemistry I	CHEM 1600 General Chemistry I (required)
	4	CHE 102 General Chemistry II	CHEM 1620 General Chemistry II (required)
	5	CHE 201 Organic Chemistry I	CHEM 2570 Organic Chemistry I (required)
	5	CHE 202 Organic Chemistry II	CHEM 2580 Organic Chemistry II (required)
	4	MAT 146 Pre-Calculus	MATH 1160 Pre-Calculus (prerequisite)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (prerequisite)
	4	MAT 152 Calculus II	MATH 1610 Calculus II (required)
	4	PHY 115 University Physics I	PHYS 2600 General Physics I (prerequisite)
	4	PHY 215 University Physics II	PHYS 2610 General Physics II (required)
	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (University Core Course- Expression: Arts & Communication)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (University Core Course-Writing Intensive)
2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (University Core Course-Personal Well Being)	

STEM Program	Credits	Mercer Course	WPU Equivalency
<p><i>Associate in Science in Lib Arts & Sciences: Computer Science</i></p> <p><i>to</i></p> <p><i>Bachelor of Science Computer Science</i></p>	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (<i>prerequisite</i>)
	4	MAT 152 Calculus II	MATH 1610 Calculus II (<i>required</i>)
	4	MAT 251 Calculus III	MATH 2010 Calculus III (<i>required</i>)
	4	COS 102 Computer Science I	CS 2400 Computer Science II (<i>required</i>)
	4	COS 101 Introduction to Computer Science	CS 2300 Computer Science I (<i>required</i>)
	4	COS 204 Discrete Mathematical Structures	CS 2600 Discrete Structures (<i>required</i>)
	4	COS 210 Computer Science II - Data Structures	CS 3420 Data Structures (<i>required</i>)
	4	COS 231 Fundamentals of Computer Architecture and Assembly Language	CS 3410 Digital Logic and Computer Organization (<i>required</i>)

STEM Program	Credits	Mercer Course	WPU Equivalency
<i>Associate in Science in Lib Arts & Sciences: Math to Bachelor of Science Bachelor of Arts Math</i>	3	CMN 111 Speech: Human Communication	Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (<i>prerequisite</i>)
	4	MAT 152 Calculus II	MATH 1610 Calculus II (<i>required</i>)
	4	MAT 251 Calculus III	MATH 2010 Calculus III (<i>required</i>)
	4	MAT 252 Differential Equations	MATH 3220 Differential Equations (<i>required</i>)

STEM Program	Credits	Mercer Course	WPU Equivalency
Associate in Science in Liberal Arts and Sciences: Physics to Bachelor of Science Chemistry Math Bachelor of Arts Chemistry Math	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (<i>prerequisite</i>)
	4	MAT 152 Calculus II	MATH 1610 Calculus II (<i>required</i>)
	4	MAT 251 Calculus III	MATH 2010 Calculus III (<i>required</i>)
	4	MAT 252 Differential Equations	MATH 3220 Differential Equations (<i>required</i>)
	4	PHY 225 University Physics	PHYS 2620 General Physics III (<i>required</i>)
	4	PHY 215 University Physics II	PHYS 2610 General Physics II (<i>required</i>)

STEM Program	Credits	Mercer Course	WPU Equivalency
<p><i>Associate in Science in Computer Info Systems</i></p> <p>to</p> <p><i>Bachelor of Science Computer Science</i></p>	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	ACC 111 Financial Accounting	ACCT 2110 Financial Accounting (<i>general ed elective credit; required for business majors</i>)
	3	BUS 230 Global Environment of Business	General Ed Elective Credit
	3	ECO 111 Macroeconomics	ECON 2010 Macroeconomic Principles (<i>general ed elective credit; required for business majors</i>)
	4	COS 102 Computer Science I	CS 2400 Computer Science II (<i>required</i>)
	3	CIS 173 PC Applications: Database	Elective Credit
	3	IST 253 Database Concepts	CS 3550 Data Management Concepts and Applications (<i>technology elective</i>)
	3	IST 251 Management of Computer Technology	CS 2010 Computer and Information Technology (<i>required for Integrated Math & Science BAs; University Core Course-Technology Intensive</i>)
	3	IST 256 Systems Analysis	Elective Credit
	3	NET 102 Intro to PC Hardware and Software	CS 2350 Fundamentals of Computer Hardware (<i>technology elective</i>)
	3	NET 104 Fundamentals of Computer Networks	CS 3350 Fundamentals of Computer Networking (<i>technology elective</i>)

Program	Credits	Mercer Course	WPU Equivalency
<i>Associate in Science in Engineering Science</i> to <i>Bachelor of Science Computer Science</i>	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	4	CHE 101 General Chemistry I	CHEM 1600 General Chemistry I (<i>prerequisite</i>)
	4	CHE 102 General Chemistry II	CHEM 1620 General Chemistry II (<i>required elective choice</i>)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (<i>prerequisite</i>)
	4	MAT 152 Calculus II	MATH 1610 Calculus II (<i>required</i>)
	3	CIV 103 Statics	PHYS 2900 Eng Mech Statics (<i>required elective choice</i>)
	4	CIV 230 Mechanics of Solids	Elective Credit
	4	COS 101 Introduction to Computer Science	CS 2300 Computer Science I
	3	ECO 112 Microeconomics	ECON 2020 Microeconomic Principles (<i>general ed elective credit; required for business majors</i>)
	4	MAT 251 Calculus III	MATH 2010 Calculus III (<i>required elective choice</i>)
	4	MAT 252 Differential Equations	MATH 3220 Differential Equations (<i>required</i>)
	4	PHY 115 University Physics I	PHYS 2600 General Physics I (<i>prerequisite</i>)
	4	PHY 215 University Physics II	PHYS 2610 General Physics II (<i>required</i>)
4	PHY 225 University Physics III	PHYS 2620 General Physics III (<i>required</i>)	

STEM Program	Credits	Mercer Course	WPU Equivalency
<p>Associate in Science: <i>Plant Science</i></p> <p><i>to</i></p> <p>Bachelor of Science <ul style="list-style-type: none"> • <i>Biology-General</i> • <i>Biology-Ecology</i> • <i>Biology-Physiology and Behavior</i> • <i>Biotechnology</i> </p> <p>Bachelor of Arts <ul style="list-style-type: none"> • <i>Integrated Math & Science-Biology</i> </p>	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	CHE 101 General Chemistry I	CHEM 1600 General Chemistry I (<i>required</i>)
	4	CHE 102 General Chemistry II	CHEM 1620 General Chemistry II (<i>required</i>)
	4	MAT 146 Pre-Calculus	MATH 1160 Pre-Calculus (<i>prerequisite</i>)
	4	BIO 101 General Biology I	BIO 1630 General Biology I (<i>required</i>)
	4	BIO 102 General Biology II	BIO 1640 General Biology II (<i>required</i>)
	4	BIO 202 Woody Plants ³	<i>General Ed elective credit</i> ³
	4	BIO 203 Entomology	<i>General Ed elective credit</i>
	4	BIO 204 Ecology	BIO 3400 Ecology (<i>required elective choice</i>)
	3	OHT 101 Plant Science ³	<i>General Ed elective credit</i> ³
	4	OHT 108 Soil and Plant Nutrition	<i>General Ed elective credit</i>
3	OHT 204 Plant Diseases ³	<i>General Ed elective credit</i> ³	

STEM Program	Credits	Mercer Course	WPU Equivalency
<p><i>Associate in Science Sustainability</i></p> <p><i>to</i></p> <p><i>Bachelor of Science Environmental Science</i></p> <p><i>Bachelor of Arts Integrated Math & Science-Environmental Science</i></p>	3	CMN 111 Speech: Human Communication	General Ed Elective Credit
	3	CMN 112 Public Speaking	COMM 1100 Communication in Action (<i>University Core Course-Expression: Arts & Communication</i>)
	3	ENG 101 English Composition I	General Ed Elective Credit
	3	ENG 102 English Composition II	ENG 1100 College Writing (<i>University Core Course-Writing Intensive</i>)
	2	HPE 110 Concepts of Health and Fitness	KNES 1000 Active Lifestyles Health (<i>University Core Course-Personal Well Being</i>)
	4	CHE 101 General Chemistry I	CHEM 1600 General Chemistry I (<i>required</i>)
	4	CHE 102 General Chemistry II	CHEM 1620 General Chemistry II (<i>required</i>)
	4	BIO 101 General Biology I	BIO 1630 General Biology I (<i>prerequisite</i>)
	4	BIO 102 General Biology II	BIO 1640 General Biology II (<i>required</i>)
	4	MAT 151 Calculus I	MATH 1600 Calculus I (<i>prerequisite</i>)
	3	ENG 204 World Literature II	ENG 3060 Lit Western Europe (<i>general education elective credit; required elective choice for English majors</i>)
	3	HIS 214 The United States Since 1945	General Ed Elective Credit
	4	PHY 101 College Physics I	PHYS 2550 College Physics I (<i>required elective choice</i>)
	4	PHY 115 University Physics I	PHYS 2600 General Physics I (<i>required elective choice</i>)

Notes:

1. William Paterson University recommends students take two semesters of one foreign language at the community college. Two semesters of American Sign Language can also fulfill the foreign language requirement.
2. William Paterson University will accept all associate degree credits transferable to Bachelor of Arts or Bachelor of Science degrees under this program-to-program articulation agreement, including up to half of the William Paterson University major required credits, from New Jersey community college students who enroll at William Paterson University Fall 2015 and beyond.
3. A combination of any two (2) of the following Mercer A.S. Plant Science courses: BIO 202, OHT 101, OHT 204, OHT 121, OHT 210; will be accepted as equivalent to one (1) William Paterson University required course for a bachelor degree in Biology.