

Appendix A

Associate in Science Degree in Science and Mathematics-Mathematics Option  
at County College of Morris

to

Bachelor of Science and Bachelor of Arts Degrees in Mathematics  
at William Paterson University College of Science and Health

This Transfer Articulation Agreement is meant to cover students graduating with a County College of Morris Associate degree in Science and Mathematics-Mathematics Option entering the following Bachelor of Science and Bachelor of Arts programs at William Paterson University College of Science and Health:

*Mathematics – BS*  
*Mathematics – BA*  
*Integrated Math & Science -Mathematics BA*

<b>Program</b>	<b>Credits</b>	<b>Courses at County College of Morris</b> <i>(44-45 core Math required credits including 14 elective credits; additional 8 Lab Science restricted, 3 Tech, and 6 General Education elective credits.)</i>	<b>Equivalence at William Paterson University</b>
<i>Associate in Science/Science and Mathematics-Mathematics Option to Mathematics BS; Mathematics BA</i>	4	MAT 123 Precalculus <i>(required)</i>	MATH 1160 Precalculus <i>(prerequisite)</i>
	4	MAT 131 Analytic Geometry and Calc I <i>(required)</i>	MATH 1600 Calculus I <i>(prerequisite)</i>
	4	MAT 132 Analytic Geometry and Calc II <i>(required)</i>	MATH 1610 Calculus II <i>(required)</i>
	4	MAT 230 Calculus III <i>(required)</i>	MATH 2010 Calculus III <i>(required)</i>
	3	MAT 232 Differential Equations <i>(required)</i>	MATH 3220 Differential Equations <i>(required)</i>
	3	MAT 228 Linear Algebra <i>(Math elective)</i>	MATH 2020 Linear Algebra <i>(required)</i>
	4	PHY 130 Engineering Physics I <i>(Lab sci elective)</i>	PHYS 2600 General Physics I (calculus-based) <i>(prerequisite)</i>
	4	PHY 133 and 134 Engineering Physics II Lecture II and Lab II <i>(Lab sci elective)</i>	PHYS 2610 General Physics II (calculus-based) <i>(required)</i>

<b>Program</b>	<b>Credits</b>	<b>Courses at County College of Morris</b> <i>(44-45 core Math required credits including 10 elective credits; 1 elective credits in Math/Sci/Tech including 2 restricted Laboratory Science courses; 6 General Education elective credits.)</i>	<b>Equivalence at William Paterson University</b>
<i>Associate in Science/Science and Mathematics-Mathematics Option to Integrated Math &amp; Science Mathematics BA</i>	4	MAT 123 Precalculus <i>(required)</i>	MATH 1160 Precalculus <i>(prerequisite)</i>
	4	MAT 131 Analytic Geometry and Calc I <i>(required)</i>	MATH 1600 Calculus I <i>(required)</i>
	4	MAT 132 Analytic Geometry and Calc II <i>(required)</i>	MATH 1610 Calculus II <i>(required)</i>
	4	CHM 125 and 126 General Chemistry I Lecture and Lab <i>(required Lab Science elective)</i>	CHEM 1600 General Chemistry I <i>(required)</i>
	4	CHM 127 and 128 General Chemistry II Lecture and Lab <i>(required Lab Science elective)</i>	CHEM 1620 General Chemistry II <i>(required)</i>
	3	MAT 228 Linear Algebra <i>(Math elective)</i>	MATH 2020 Linear Algebra <i>(required)</i>
	4	BIO 101 Anatomy and Physiology <i>(General Education elective)</i>	BIO 1140 Applied Anatomy and Physiology <i>(required)</i>
	4	BIO 127 Bio of Environmental Concerns <i>(General Education elective)</i>	ENV 1100 Environmental Sustainability <i>(required)</i>
	4 to 3	CMP 126 Computer Tech & Applications <i>(Technology elective)</i>	CS 2010 Computer and Information <i>(required)</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 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.