

**BS MATHEMATICS/MIDDLE SCHOOL TEACHER CERTIFICATION (5-8) 2012-2013**

Transfer Institution: **River Valley Community College** (2012-2013 Catalog)

<b>PSU Requirement (2012-13 Catalog)</b>	<b>Credits</b>	<b>Satisfied by RVCC (2012-13 Catalog)</b>	<b>Credits</b>
<b>MA</b> Mathematics electives above MA 2100	6-8	MTHC 106, 115, 120, 212, 215, 220	8
Calculus – complete one sequence	8		
MA 2490 Applied Calculus I (QRCO)	<i>and</i>		
MA 2500 Applied Calculus II (QRCO)	<i>or</i>		
MA 2550 Calculus I (QRCO)		MTHC 210 Calculus I	4
MA 2560 Calculus II (QRCO)		MTHC 211 Calculus II	4
MA 3110 Logic, Proofs, Axiomatic Systems (WRCO)	3	MTHC 216 Math Language, Logic and Proof	4
MA 3500 Probability and Statistics for Scientists	3	MTHC 217 Probability and Statistics	4
EN 1200 Composition	3	ENG 102 <i>or</i> ENG 201 <i>or</i> ENG 249	3
CTDI Creative Thought Directions	6	<i>Complete two:</i> CPTC 103, ENG 202, ENG 231, ENG 232, ENG 235, ENG 236, ENG 237, ENG 240, ENG 241, ENG 280	6
PPDI Past and Present Directions	6	<i>Complete two:</i> HISC 134, HUMC 142, HUMC 143	6
SIDI Scientific Inquiry Directions	6-8	<i>Complete two:</i> SCIC 101, SCIC 102, SCIC 103, SCIC 105, SCIC 111, SCIC 112, SCIC 115, SCIC 162	6-8
SSDI Self and Society Directions	6	<i>Complete two:</i> CRJC 211, HSVC 110, HSVC 215, HUMC 140	6
Sub-total	47-51	Sub-total	51-53
MA 2000 Introduction to Formal Mathematics (MATH)	3		
MA 3010 Mathematics in Our World II (QRCO)	4		
MA 3050 Introduction to Mathematics Education	3		
MA 3200 Discrete Mathematics	3		
MA 3230 Geometries (TECO) (WRCO)	4		
MA 3460 History of Mathematics (GACO) (WRCO)	3		
MA 4020 The Cultural and Psychological Aspects of Mathematics Learning (DICO) (INCO)	3		
MA 4040 Mathematics in the Secondary/Middle School	3		
MA 4965 Mathematics Student Teaching (5-8)	12		
MA 4985 Mathematics Student Teaching Seminar	1		
CD 3000 Philosophical and Historical Perspectives on the Child in Society (INCO) (WRCO)	3		
ED 3350 Classroom Planning, Management, Organization for Middle School/Secondary Educators (TECO)	3		
PS 3190 Development and Understanding (WECO)	3		
SE 3090 Intro Special Ed: Middle and Secondary	3		
Electives	<i>*22-18</i>		
Sub-total	73-69		

Total required for the degree 120

The maximum number of transfer credits that can be applied to a PSU bachelor degree is 90.

\*three credits for IS 1111 The First Year Seminar become electives for transfer students entering with 24 or more credits

Student Teaching requires a minimum PSU cumulative Grade Point Average of 2.50.

Students must receive a C- or better in all PSU mathematics courses required in their degree program. A grade of C- or better must be earned in any PSU mathematics prerequisite course before enrolling in the post-requisite course.

# Plymouth State University CURRICULUM PLANNING GUIDE with APPLICATION of TRANSFER CREDIT

Students must take the Praxis I exam prior to admission to PSU and must successfully complete the exam before graduation from the two-year institution. Students shall also submit their Praxis I results to Plymouth State.

Students with the AA degree in Teacher Preparation must have a minimum cumulative grade point average of 2.50.

<u>RVCC Courses Noted Above</u>	<u>Credits</u>
CPTC 103 Web Site Design	3
CRJC 211 Justice and the Community	3
ENG 102 College Composition I	3
ENG 201 College Composition II	3
ENG 202 Meetinghouse Readings	3
ENG 231 Reading Modern Poetry	3
ENG 232 Reading Short Fiction	3
ENG 235 Poetry Workshop	3
ENG 236 Fiction Writing Workshop	3
ENG 237 Advanced Poetry Writing Workshop	3
ENG 240 American Literature to 1877	3
ENG 241 American Literature: 1877 to Present	3
ENG 249 Sarah Josepha Hale Award Writers	3
ENG 280 Nobel Literature Laureates	3
HISC 134 Topics in African History	3
HSVC 110 Introduction to Human Services	3
HSVC 215 Issues of Children and Families	3
HUMC 140 Myth in US Culture (20 <sup>th</sup> Century)	3
HUMC 142 Topics in United States History to 1877	3
HUMC 143 Topics in United States History:1877-Present	3
MTHC 106 Statistics I	4
MTHC 115 Finite Mathematics	4
MTHC 120 Precalculus	4
MTHC 212 Multivariate Calculus	4
MTHC 215 Linear Algebra	4
MTHC 220 Elementary Differential equations	4
SCIC 101 Biology: Chemical/Cellular Basis of Life	4
SCIC 102 Biology: Adaptation, Evolution, Ecosystems	4
SCIC 103 Human Biology	4
SCIC 105 Investigative Science	3
SCIC 111 Anatomy and Physiology Essentials	4
SCIC 112 Topics in Human Biology	4
SCIC 115 Astronomy	4
SCIC 162 Nutrition: The Science of Sustenance	4

When RVCC courses are offered through their Academic Center in Keene, they are coded with a K (e.g., MTHC 115 would be MTHK 115).