

**BS MATHEMATICS/MIDDLE SCHOOL TEACHER CERTIFICATION (5-8) 2013-2014**

Transfer Institution: **River Valley Community College** (2013-2014 Catalog)

| <b>PSU Requirement (2013-14 Catalog)</b>  | <b>Credits</b> | <b>Satisfied by RVCC (2013-14 Catalog)</b>  | <b>Credits</b> |
|---|----------------|---|----------------|
| MA 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 107 <i>or</i> MTHC 217   | 4              |
| EN 1200 Composition   | 3              | ENGC 102 <i>or</i> ENGC 201 <i>or</i> ENGC 249  | 3              |
| CTDI Creative Thought Directions  | 6              | <i>Complete two:</i> CPTC 103, ENGC 202, ENGC 231, ENGC 232, ENGC 235, ENGC 236, ENGC 237, ENGC 240, ENGC 241, ENGC 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, 102, 103, 105, SCIC 111, 112, 115, 117, 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 an elective 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              |
| ENGC 102 College Composition I                         | 3              |
| ENGC 201 College Composition II                        | 3              |
| ENGC 202 Meetinghouse Readings                         | 3              |
| ENGC 231 Reading Modern Poetry                         | 3              |
| ENGC 232 Reading Short Fiction                         | 3              |
| ENGC 235 Poetry Workshop                               | 3              |
| ENGC 236 Fiction Writing Workshop                      | 3              |
| ENGC 237 Advanced Poetry Writing Workshop              | 3              |
| ENGC 240 American Literature to 1877                   | 3              |
| ENGC 241 American Literature: 1877 to Present          | 3              |
| ENGC 249 Sarah Josepha Hale Award Writers              | 3              |
| ENGC 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 107 Statistics II                                 | 4              |
| MTHC 115 Finite Mathematics                            | 4              |
| MTHC 120 Functions and Modeling II                     | 4              |
| MTHC 212 Multivariate Calculus                         | 4              |
| MTHC 215 Linear Algebra                                | 4              |
| MTHC 217 Probability and Statistics                    | 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 117 Environmental Science                         | 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).