

BS MATHEMATICS 2013-2014

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

PSU Requirement (2013-14 Catalog)	Credits	Satisfied by RVCC (2013-14 Catalog)	Credits
MA 2550 Calculus I (ORCO)	4	MTHC 210 Calculus I	4
MA 2560 Calculus II (ORCO)	4	MTHC 211 Calculus II	4
MA 3110 Logic, Proofs, Axiomatic Systems (WRCO)	3	MTHC 216 Math Language, Logic and Proof	4
MA 3120 Linear Algebra	3	MTHC 215 Linear Algebra	4
MA 3500 Probability and Statistics for Scientists	3	MTHC 107 or MTHC 217	4
MA 3510 Differential Equations	3	MTHC 220 Elementary Differential Equations	4
MA 3540 Calculus III	4	MTHC 212 Multivariate Calculus	4
EN 1200 Composition	3	ENGC 102 or ENGC 201 or ENGC 249	3
CTDI Creative Thought Directions	6	Complete two: 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	Complete two: HISC 134, HUMC 142, HUMC 143	6
SIDI Scientific Inquiry Directions	6-8	Complete two: SCIC 101, 102, 103, 105, SCIC 111, 112, 115, 117, 162	6-8
SSDI Self and Society Directions	6	Complete two: CRJC 211, HSVC 110, HSVC 215, HUMC 140	6
DICO Diversity Connection	3	CRJC 110, LNGC 105, LNGC 106, LNGC 120, LNGC 121, SOCC 101	3
GACO Global Awareness Connection	3	ECOC 102, GEOC 101, HUMC 109, HUMC 110, HUMC 201, 245, LNGC 105, 106, SOCC 110	3
WECO Wellness Connection	3	EDUC 103, SCIC 103, SCIC 112, SCIC 162	3-4
Sub-total	60-62	Sub-total	64-67

MA 2000 Introduction to Formal Mathematics (MATH)	3
MA 3200 Discrete Mathematics	3
MA 4140 Abstract Algebra (WRCO)	3
MA 4430 Numerical Analysis (TECO)	3
MA 4510 Introduction to Analysis	3
Mathematics electives-complete 12 credits from following:	12
MA 3130 Directed Research in Mathematics	
MA 3230 Geometries (TECO)(WRCO)	
MA 3280 Regression Analysis	
MA 3460 History of Mathematics (GACO)(WRCO)	
MA 4220 Topics in Mathematics	
MA 4350 Probability Theory	
Computer Science elective – complete one of following:	2-4
CS 2370 Programming in Java	
CS 2400 Scientific Programming	
CS 2470 Systems Programming in C/C++	
INCO Integration Connection	3
Electives	*28-24
Sub-total	60-58

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

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.

<u>RVCC Courses Noted Above</u>	<u>Credits</u>
CPTC 103 Web Site Design	3
CRJC 110 Public Administration	3
CRJC 211 Justice and the Community	3
ECOC 102 Macroeconomics	3
EDUC 103 Health, Safety, Nutrition for the Young Child	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
GEOC 101 Introduction to Geography	3
HISC 134 Topics in African History	3
HSVC 110 Introduction to Human Services	3
HSVC 215 Issues of Children and Families	3
HUMC 109 Introduction to Philosophy	3
HUMC 110 The Humanities in Western Culture	3
HUMC 140 Myth in US Culture (20 th Century)	3
HUMC 142 Topics in United States History to 1877	3
HUMC 143 Topics in United States History:1877-Present	3
HUMC 201 The Making of the Modern World: Themes in Western Civilization	3
HUMC 245 Native People:An Ethnohistorical Perspective	3
LNGC 105 Spanish I	3
LNGC 106 Spanish II	3
LNGC 120 Sign Language I	3
LNGC 121 Sign Language II	3
MTHC 107 Statistics II	4
MTHC 217 Probability and Statistics	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
SOCC 101 Introduction to Sociology	3
SOCC 110 Cultural Anthropology	3

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).