

BS MATHEMATICS 2012-2013

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

PSU Requirement (2012-13 Catalog)	Credits	Satisfied by NCC (2012-13 Catalog)	Credits
MA 2550 Calculus I (ORCO)	4	MTHN 210 Calculus I	4
MA 2560 Calculus II (ORCO)	4	MTHN 211 Calculus II	4
MA 3110 Logic, Proofs, Axiomatic Systems (WRCO)	3	MTHN 216 Math Language, Logic and Proof	4
MA 3120 Linear Algebra	3	MTHN 215 Linear Algebra	4
MA 3200 Discrete Mathematics	3	MTHN 170 Discrete Mathematics	3
MA 3510 Differential Equations	3	MTHN 220 Elementary Differential Equations	4
MA 3540 Calculus III	4	MTHN 212 Calculus III	4
Computer Science elective – complete one of following:	2-4		
CS 2370 Programming in Java		CPTN 202 JAVA Programming	<i>or</i>
CS 2400 Scientific Programming			
CS 2470 Systems programming in C/C++		CPTN 175 Intermediate Programming Using C++	3
EN 1200 Composition	3	ENGN 101 <i>or</i> ENGN 102 <i>or</i> HONN 110	4-3
IS 1111 The First Year Seminar	3	HUMN 110 Critical Thinking Skills	3
CTDI Creative Thought Directions	6	<i>Complete two:</i> ENGN 105, ENGN 206, ENGN 220, ENGN 235, ENGN 240, ENGN 241, HUMN 102, HUMN 120, HUMN 220	6
PPDI Past and Present Directions	6	<i>Complete two:</i> ENGN 230, ENGN 231, GEON 110, HISSN 101, 102, 110, 141, 215, 241, 246, HONN 130, HONN 260B, HUMN 103	6
SIDI Scientific Inquiry Directions	6-8	<i>Complete two:</i> EETN 131, HONN 117, SCIN 101, SCIN 102, SCIN 111, SCIN 115, SCIN 116, SCIN 117, SCIN 134, SCIN 141, SCIN 150, SCIN 151	8
SSDI Self and Society Directions	6	<i>Complete two:</i> HISSN 140, HSVC 111, HUMN 101, HUMN 260, PSYN 110, PSYN 130, PSYN 207, SOCN 201, SOCN 205	6
DICO Diversity Connection	3	BUSN 218, HUMN 145, HUMN 230, LNGN 101,102, 105, LNGN 106, 120, 121, 205, PJSN 101, SOCN 101, 206	3
GACO Global Awareness Connection	3	ECON 202, HISSN 260, HONN 260A, HUMN 107, HUMN 109, LNGN 101, 102, 105, 106, 109, 110, 113, LNGN 114, 115, 205, 206, 214, SOCN 110	3
WECO Wellness Connection	3	CHWN 101, EDUN 103, SCIN 120	3
Sub-total	65-69	Sub-total	72-71
MA 2000 Introduction to Formal Mathematics (MATH)	3		
MA 3500 Probability and Statistics for Scientists	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			
INCO Integration Connection	3		
Electives	<u>25-21</u>		
Sub-total	55-51		
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.

If a Nashua course in this list for transfer to PSU satisfies a Nashua General Education requirement, the Group that it satisfies is noted in brackets, e.g., [A].

<u>NCC Courses Noted Above</u>	<u>Credits</u>
LNGN 120 Sign Language I [G]	3
LNGN 121 Sign Language II [G]	3
LNGN 205 Spanish III [G]	3
LNGN 206 Spanish IV [G]	3
LNGN 214 German III [G]	3
PJSN 101 Introduction to Peace and Social Justice Studies [C]	3
PSYN 110 Reality TV, Video Games, Social Media and You [C]	3
PSYN 130 Human Relations [C]	3
PSYN 207 Social Psychology [C]	3
SCIN 101 Biology I [B]	4
SCIN 102 Biology II: An Evolutionary Journey [B]	4
SCIN 111 Basic Human Anatomy and Physiology [B]	4
SCIN 115 Astronomy [B]	4
SCIN 116 Meteorology [B]	4
SCIN 117 Environmental Science [B]	4
SCIN 120 Nutrition [B]	3
SCIN 134 Stereo Physics [B]	4
SCIN 141 Introduction to Chemistry [B]	4
SCIN 150 Physical Science I [B]	4
SCIN 151 Physical Science II [B]	4
SOCN 101 Introduction to Sociology [C]	3
SOCN 110 Cultural Anthropology [C]	3
SOCN 201 Contemporary Social Problems [C]	3
SOCN 205 The Changing Family [C]	3
SOCN 206 Sociology of Deaf Culture [C]	3

<u>NCC Courses Noted Above</u>	<u>Credits</u>
BUSN 218 Dynamics of Organizational behavior	3
CHWN 101 Foundations of Health and Wellness	3
ECON 202 Macroeconomics [D]	3
EDUN 103 Safe and Healthy Programs for Early Childhood Education	3
EETN 131 Circuit Analysis I	3
ENGN 101 College Composition	4
ENGN 102 Writing About Literature [A]	3
ENGN 105 Introduction to Literature [A]	3
ENGN 206 Writing Short Stories [A]	3
ENGN 220 Contemporary Dramatic Literature [A]	3
ENGN 230 British Literature I [A]	3
ENGN 231 British Literature II [A]	3
ENGN 235 Poetry Workshop [A]	3
ENGN 240 American Literature I [A]	3
ENGN 241 American Literature II [A]	3
GEON 110 World Regional Geography [D]	3
HISN 101 Western Civilization from Ancient Times to 1700 [D]	3
HISN 102 Western Civilization From 1600 to the Present [D]	3
HISN 110 Ancient Civilizations of the World [D]	3
HISN 140 US History from the Colonial Era to Reconstruction [D]	3
HISN 141 US History Since Reconstruction [D]	3
HISN 215 New Hampshire History [D]	3
HISN 241 American Constitutional History [D]	3
HISN 246 Modern America [D]	3
HISN 260 History of Multiculturalism [D]	3
HONN 110 Honors Expository Writing	3
HONN 117 Honors Environmental Science	4
HONN 130 Honors Ancient Greek Philosophy	3
HONN 260A Introduction to Chinese Culture & Society	3
HONN 260B Humor in Literature and Other Media	3
HSVN 111 Introduction to Human Services	3
HUMN 101 Introduction to the Humanities [F]	3
HUMN 102 Art Appreciation [F]	3
HUMN 103 Music Appreciation [F]	3
HUMN 107 World Religion [F]	3
HUMN 109 Introduction to Philosophy [F]	3
HUMN 120 Introduction to Theatre [F]	3
HUMN 145 American Pop Culture [F]	3
HUMN 220 Classic Myths in Western Civilization [F]	3
HUMN 230 Ethics in the Workplace [F]	3
HUMN 260 Counterculture in the USA, 1956-1976 [F]	3
LNGN 101 French I [G]	3
LNGN 102 French II [G]	3
LNGN 105 Spanish I [G]	3
LNGN 106 Spanish II [G]	3
LNGN 109 Italian I [G]	3
LNGN 110 Italian II [G]	3
LNGN 113 Basic German [G]	6
LNGN 114 German I [G]	3
LNGN 115 German II [G]	3