

**BS INFORMATION TECHNOLOGY 2012-2013**

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

<b>PSU Requirement (2012-13 Catalog)</b>	<b>Credits</b>	<b>Satisfied by NCC Course (2012-13 Catalog)</b>	<b>Credits</b>
CS 2010 Computing Fundamentals (TECO)	3	CPTN 101 and CPTN 175	6
CS 2080 Visual Basic	3	CPTN 161 Intro Programming Using Visual Basic	3
CS 2370 Programming in Java	4	CPTN 202 or (CPTN 175+230)	3 or 6
CS 2381 Data Structures and Intermediate Programming	4	CPTN 230 Advanced Programming Using: C++	3
CS 3240 Data Communication and Computer Networks	3	(CPTN 205 & CPTN 285) or (CPTN 205 & CPTN 290)	6
CS 3600 Database Management Systems	4	CPTN 140 and CPTN 207	6
CS 4220 System Administration	3	CPTN 204 + CPTN 207 + CPTN 210	9
CS 4400 Computer Networks and Protocols	4	CPTN 215 + CPTN 286	6
MA 2140 Precalculus (QRCO) (TECO)	or	MTHN 120 Precalculus	or
MA one semester of calculus	4	MTHN 210 Calculus I	4
MA 2200 Finite Mathematics (MATH)	3	MTHN 115 Finite Mathematics	4
MA 2300 Statistics I (QRCO)	3	MTHN 106 or MTHN 217	4
MA Math elective MA 1800, MA 2010, MA 2140 or above	*3	Complete two: MTHN 110, MTHN 170, MTHN 211, MTHN 212, MTHN 215, MTHN 216, MTHN 220	7-8
EN 1200 Composition	3	ENGN 101 or ENGN 102 or HONN 110	4-3
IS 1111 The First Year Seminar	3	HUMN 110 Critical Thinking Skills	3
CTDI Creative Thought Directions	6	Complete two: 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	Complete two: ENGN 230, ENGN 231, GEON 110, HISP 101, HISP 102, HISP 110, HISP 141, HISP 215, HISP 241, HISP 246, HONN 130, HONN 260B, HUMN 103	6
SIDI Scientific Inquiry Directions	6-8	Complete two: 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	Complete two: HISP 140, HSPV 111, HUMN 101, HUMN 260, PSYN 110, PSYN 130, PSYN 207, SOCN 201, SOCN 205	6
GACO Global Awareness Connection	3	ECON 202, HISP 260, HONN 260A, HUMN 107, HUMN 109, LNGN 101, LNGN 102, LNGN 105, LNGN 106, LNGN 109, LNGN 110, LNGN 113, LNGN 114, LNGN 115, LNGN 205, LNGN 206, LNGN 214, SOCN 110	3
WECO Wellness Connection	3	CHWN 101, EDUN 103, SCIN 120	3
Sub-total	77-79	Sub-total	100-103
CS 2220 Computer Hardware	3	The maximum number of transfer credits that can be applied to a PSU bachelor degree is 90.	
CS 3720 Systems Analysis and Design	3		
CS 4420 Computer Security	3		
CS 4520 CyberEthics (DICO)(INCO)(WRCO)	3		
CS 4750 Senior Project	3		
Information Technology Major Electives (complete two)**	5-6		
CM 3090 Technical Communication (TECO) (WRCO)	3		
Electives	20-17		
Sub-total	43-41		
Total required for the degree	120		

\*cannot double count MA 2140 or Calculus

\*\*see list of Major Electives on page 2

Three credits for IS 1111 The First year Seminar become an elective for transfer students entering with 24 or more credits.

Plymouth State University CURRICULUM PLANNING GUIDE with APPLICATION of TRANSFER CREDIT

PSU Information Technology Major Electives Noted Above

CS 2470	Systems Programming in C/C++
CS 3020	Web Programming
CS 3221	Algorithm Analysis
CS 3440	Multimedia
CS 3500	Introduction to Artificial Intelligence
CS 3820	Human-Computer Interaction
CS 4140	Software Engineering
CS 4250	Computer Architecture
CS 4310	Operating Systems
CS 4920	Computer Science Internship (maximum of 3 credits)

*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].*

NCC Courses Noted Above

	<u>Credits</u>	
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
LNGN 205	Spanish III [G]	3
LNGN 206	Spanish IV [G]	3
LNGN 214	German III [G]	3
MTHN 106	Elementary Statistics [E]	4
MTHN 110	Algebra and Trigonometry [E]	4
MTHN 170	Discrete Mathematics [E]	4
MTHN 211	Calculus II [E]	4
MTHN 212	Calculus III [E]	4
MTHN 215	Linear Algebra [E]	4
MTHN 216	Math Language, Logic and Proof [E]	4
MTHN 217	Probability and Statistics [E]	4
MTHN 220	Elementary Differential Equations [E]	4
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 110	Cultural Anthropology [C]	3
SOCN 201	Contemporary Social Problems [C]	3
SOCN 205	The Changing Family [C]	3

NCC Courses Noted Above

	<u>Credits</u>	
CHWN 101	Foundations of Health and Wellness	3
CPTN 101	PC Assembly and Operating Systems	3
CPTN 140	Essentials of System Analysis and Design	3
CPTN 175	Intermediate Programming: Using C++	3
CPTN 202	JAVA Programming	3
CPTN 204	Administering Windows Servers	3
CPTN 205	Networking Basics	3
CPTN 207	Database Design and Management	3
CPTN 210	Advanced Windows Servers	3
CPTN 215	Routing Fundamentals	3
CPTN 230	Advanced Programming Using C++	3
CPTN 285	Senior Software Development Lab	3
CPTN 286	Networking Capstone Project	3
CPTN 290	Computer Science Internship	3
ECON 202	Macroeconomics [D]	3
EDUC 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 220	Classic Myths in Western Civilization [F]	3
HUMU 260	Counterculture in the USA, 1956-1976	3