

Bergen Community College			New Jersey Institute of Technology		
Course #	Course Title	Cr.	Course #	Course Title	Cr.
First					
INF-101	Introduction to Information Technology	3		See Transfer Note 1	3
INF-150	Business Programming Logic	3	IT1XX	IT Elective	3
INF-161	Internet Research and Data Handling	1		See Transfer Note 2	
BUS-101	Introduction to Business	3	MGMT190	Industrial Organizational Mgmt.	3
WRT-101	English Composition I	3	HUM-101	Writing, Speaking, Thinking	3
Elective	INF... Programming Language Fundamentals^	3		See Transfer Note 1	3
	Total:	16			15
Second					
Elective	INF... Advanced Programming Languages^^	3		See Transfer Note 1	3
INF-114	Microsoft Office	3	IT2XX	IT Elective	3
INF-208	Systems Analysis and Design	3	CIS 390	Requirements Analysis & System Design	3
WRT-201	English Composition II	3	HUM2XX	Humanities GUR	3
WEX-101	Dynamics of Health and Fitness	2		PE1XX	2
Elective	Social Sciences Elective**	3	HSS202	Society, Technology & Environment	3
	Total:	17			17
Third					
ACC-101	Accounting I	3	ACCT115	Principles of Accounting	3
INF-160	Networking Technologies and Data Communications	3	IT1XX	IT Elective	3
INF-217	Database for Business Applications	3	CIS431	Intro to Database Systems	3
INF-253	Technical Communications	3	IT2XX	IT Elective	3
Elective	Humanities Elective**	3	HUM2XX	Humanities GUR	3
Elective	WEX... Dynamics of Health & Fitness Experience**	1		NO TRANSFER	
	Total:	16			15
Fourth					
ACC-201 or BUS-271	Accounting II or Ecommerce	3	ACCT116 or IT2XX	Principles of Accounting II Or IT Elective	3
INF-239	Applications Development	3	IT2XX	IT Elective	3
INF-228	Excel for Problem Solving	1		See Transfer Note 2	
Elective	INF... Restricted INF Elective*	3		See Transfer Note 1	3
Elective	Natural Science Elective Or MAT/CIS...Mathematics/Computer Science Elective (3-4 cr.)# MAT-280 Calc I MAT-223 Calc for Managerial & SS Natural Science Elective	3 or 4	MAT111 MAT138 NAT SCI	Calculus I or General Calculus I Science elective	4 or 3 or 3 or 4
Elective	Humanities Elective**	3	HUM2XX	Humanities GUR	3
	Total:	16-17			15-16
	Degree Total Credits	65-66			62-63

Transfer Note 1 – Select one set of four courses

Set 1	Set 2	Set 3
<ul style="list-style-type: none">• INF-101 Intro to Info Tech• INF-145 Intro to Visual Basic for Business• INF-246 Adv Visual Basic for Business• INF-263 Server Side Internet Programming	<ul style="list-style-type: none">• INF-101 Intro to Info Tech• INF-152 C/C++ Programming for Business• INF-224 Adv C/C++ Programming for Business• INF-153 Java for Business Applications	<ul style="list-style-type: none">• INF-101 Intro to Info Tech• INF-153 Java for Business Applications• INF-256 Adv Java for Business• INF-146 Web Development Using HTML
<p><i>The combination of these four courses will transfer to NJIT under the following codes</i></p>	<p><i>The combination of these four courses will transfer to NJIT under the following codes</i></p>	<p><i>The combination of these four courses will transfer to NJIT under the following codes</i></p>
<ul style="list-style-type: none">• IT101• IT102• IT2xx• IT2xx	<ul style="list-style-type: none">• IT101• IT102• CIS113• IT2xx	<ul style="list-style-type: none">• IT101• IT102• CIS113• IT1xx

Transfer Note 2 – The two required 1-credit courses will not transfer. If the student chooses to select a third 1-credit course in INF (other than the 1-credit MS Office courses in Word, Excel, PowerPoint), the three one-credit courses combined will transfer as one three-credit elective. The 3rd one-credit course cannot be used to meet the degree requirements.

^Programming Language Electives: Fundamentals

INF-145 Introduction to Visual Basic for Business

INF-152 C/C++ Programming for Business

INF-153 Java for Business Applications

INF-242 RPG/400 Programming

^^Programming Language Electives: Advanced

(Part 2 of continuing sequence)

INF-224 Advanced C/C++ Programming for Business

INF-243 Advanced RPG/400 Programming

INF-246 Advanced Visual Basic for Business

INF-268 Advanced Java for Business Applications

***Restricted INF Electives**

Programming Language courses cannot duplicate as Restricted INF Electives when selected as Programming Language Electives

INF-145 Introduction to Visual Basic for Business

INF-146 Web Development Using HTML

INF-152 C/C++ Programming for Business

INF-153 Java for Business Applications

INF-224 Advanced C/C++ Programming for Business

INF-240 Client-side Scripting Using JavaScript

INF-246 Advanced Visual Basic for Business

INF-249 Visual C++ for Windows with MFC

INF-263 Server Side Internet Programming

#Mathematics or Natural Science Elective

One of the following mathematics electives is strongly recommended.

MAT-150 Elementary Statistics

MAT-180 Precalculus: College Alg and Trig

MAT-223 Calculus for Managerial and Social Sciences

MAT-280 Calculus I

Note: Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

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Course #	Course Title	Cr.	Course #	Course Title	Cr.
First					
INF-101	Introduction to Information Technology	3	IT1XX	IT Elective	3
INF-108	PC Upgrade, Maintenance and Diagnosis	3	IT1XX	IT Elective	3
INF-163	Internet Concepts and Applications	3	IT1XX	IT Elective	3
INF-160	Networking Technologies and Data Communications	3	IT1XX	IT Elective	3
WRT-101	English Composition I	3	HUM101	Writing, Speaking, Thinking	3
	Total:	15			15
Second					
INF-114	Microsoft Office	3	IT2XX	IT Elective	3
INF-232	Windows Client	3	IT2XX	IT Elective	3
BUS-101	Introduction to Business	3	MGMT190	Industrial Organizational Mgmt.	3
WRT-201	English Composition II	3	HUM2XX	Humanities GUR	3
WEX-101	Dynamics of Health and Fitness	2	PE1XX	Phys. Ed. GUR	2
Elective	Humanities Elective*	3	HUM2XX	Humanities GUR	3
	Total:	17			17
Third					
INF-252	Windows Server	3	IT2XX	IT Elective	3
INF-253	Technical Communications	3	IT2XX	IT Elective	3
INF-254	UNIX for the Network Administrator	3	IT2XX	IT Elective	3
INF-258	TCP/IP	3	IT2XX	IT Elective	3
Elective	WEX... Dynamics of Health & Fitness Experience*	1		NO TRANSFER	
Elective	Social Sciences Elective*	3	HSS202	Society, Technology & Environment	3
	Total:	16			15
Fourth					
INF-228	Excel for Problem Solving	1		See transfer note 1	
INF-256	Topics in Networking	3	IT2XX	IT Elective	3
INF-257	Network Troubleshooting	3	IT2XX	IT Elective	3
INF-267	Network Security	3	IT 230	Computers and Network Security	3
Elective	Humanities Elective*	3	HUM2XX	Humanities GUR	3
Elective	Natural Science Elective Or MAT/CIS...Mathematics/Computer Science Elective (3-4 cr.)^	3 or 4			
	MAT-280 Calc I		MAT111	Calculus I or	4
	MAT-223 Calc for Managerial & SS		MAT138	General Calculus	3
	Natural Science Elective		NAT SCI	Science elective	3 or 4
	Total:	16-17			15-16
	Degree Total Credits:	64-65			62-63

Transfer Note 1 – The one required 1-credit course will not transfer. If the student chooses to select two additional 1-credit courses in INF (other than the 1-credit MS Office courses in Word, Excel, PowerPoint), the three one-credit courses combined will transfer as one three-credit elective. The 3rd one-credit course cannot be used to meet the degree requirements.

*General Education Elective.

^One of the following mathematics electives is strongly recommended:

MAT-150 Elementary Statistics

MAT-155 Finite Mathematics

MAT-223 Calculus for Managerial & Social Sciences

MAT-280 Calculus I

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Bergen Community College			New Jersey Institute of Technology		
Course #	Course Title	Cr.	Course #	Course Title	Cr.
First					
INF-100	Keyboarding I^	3			
INF-101	Introduction to Information Technology	3	IT1XX	IT Elective	3
INF-114	MS Office	3	IT1XX	IT Elective (must take INF 1XX)*	3
INF-161	Internet Research and Data Handling	1		See Transfer Note 1	
BUS-101	Introduction to Business	3	MGMT190	Industrial Organization & Mgmt.	3
WRT-101	English Composition I	3	HUM101	Writing, Speaking, Thinking	3
	Total:	16			12
Second					
INF-140	Introduction to Multimedia	3	IT201	Information Design Tech.	3
INF-147 Or INF-146	Web Development Using Dreamweaver OR Web Development Using HTML	3	No Transfer OR IT1XX	IT Elective	3
INF-1xx (was INF-213)	Document Processing with Microsoft Word	3		One-half of IT elective with INF 114*	
BUS-103	Business Mathematics	3			
BUS-105	Business Communications	3			
WEX-101	Dynamics of Health and Fitness	2	PE1XX		2
	Total:	17			8
Third					
INF...	INF Restricted Elective** INF-108 PC Upgrade, Maint Diagnosis INF-150 Business Programming Logic INF-160 Networking Technologies INF-217 Database for Business Apps INF-253 Technical Communications	3	IT1XX IT1XX IT1XX CIS431 IT2XX	IT Elective IT Elective IT Elective Intro to Database Systems IT Elective	3
ACC-120	Computerized Accounting	3		???	3
WRT-201	English Composition II	3	HUM2XX	Humanities GUR	3
Elective	Humanities Elective*	3	HUM2XX	Humanities GUR	3
Elective	Natural Science Elective Or MAT/CIS...Mathematics/Computer Science Elective (3-4 cr.)^ MAT-280 Calc I MAT-223 Calc for Managerial & SS Natural Science Elective	3 or 4	MAT111 MAT138 NAT SCI	Calculus I General Calculus Science elective	3 or 4
Elective	WEX... Dynamics of Health and Fitness Experience*	1		NO TRANSFER	
	Total:	16-17			15-16
Fourth					
INF-214	Administrative Technology	2			
INF-215	Office Simulation	3			
INF-228	Excel for Problem Solving	1		See Transfer Note 1	
BUS-271	E-Commerce	3		IT2XX	3
Elective	Humanities Elective*	3		HUM2XX	3
Elective	Social Sciences Elective*	3		HSS202	3
	Total:	15			9
	Degree Total Credits:	64-65			44-45

Transfer Note 1 – The two required 1-credit courses will not transfer. If the student chooses to select one additional 1-credit course in INF (other than the 1-credit MS Office courses in Word, Excel, PowerPoint), the three one-credit courses combined will transfer as one three-credit elective. The 3rd one-credit course cannot be used to meet the degree requirements.

^Credit-by-exam tests are available for Keyboarding I

*General Education Elective.

** Restricted INF Electives

INF-108 PC Upgrade, Maintenance and Diagnosis

INF-150 Business Programming Logic

INF-160 Networking Technologies and Data Communications

INF-217 Database for Business Applications

INF-253 Technical Communications

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First					
INF-101	Introduction to Information Technology	3		See transfer note 1	3
INF-145	Introduction to Visual Basic for Business	3		See transfer note 1	3
INF-150	Business Programming Logic	3	IT1XX	IT Elective	3
INF-163	Internet Concepts and Applications	3	IT1XX	IT Elective	3
WRT-101	English Composition I	3	HUM101	Writing Speaking, Thinking	3
	Total:	15			15
Second					
INF-114	Microsoft Office	3	IT2XX	IT Elective	3
INF-140	Introduction to Multimedia	3	IT201	Information Design Tech.	3
INF-146	Web Development Using HTML	3	IT1XX	IT Elective	3
INF-246	Advanced Visual Basic for Business	3		See transfer note 1	3
WEX-101	Dynamics of Health and Fitness	2	PE1XX		2
WRT-201	English Composition II	3	HUM2XX	Humanities GUR	3
	Total:	17			17
Third					
Elective	Social Sciences Elective*	3	HSS202	Society, Technology & Environment	3
INF-151 Or INF-245	Access Or SQL	1		See transfer note 2	
INF-160	Networking Technologies and Data Communications	3	IT1XX	IT Elective	3
INF-253	Technical Communications	3	IT2XX	IT Elective	3
BUS-101	Introduction to Business	3	MGMT190	Industrial Organization & Mgmt.	3
Elective	WEX... Dynamics of Health & Fitness Experience*	1		NO TRANSFER	
Elective	Humanities Elective*	3	HUM2XX	Humanities GUR	3
	Total:	17			15
Fourth					
INF-228	Excel for Problem Solving	1		See transfer note 2	
INF-240 or INF-153	Client-side Scripting Using JavaScript Or Java	3	IT2XX IT1XX	IT Elective IT Elective	3
INF-263	Server-Side Internet Programming	3		See transfer note 1	3
BUS-271	E-Commerce	3	IT2XX	IT Elective	3
Elective	Humanities Elective*	3	HUM2XX	Humanities GUR	3
Elective	Natural Science Elective Or MAT/CIS...Mathematics/Computer Science Elective (3-4 cr.)^ MAT-280 Calc I MAT-223 Calc for Managerial & SS Natural Science Elective	3 or 4	MAT111 MAT138 NAT SCI	Calculus I or General Calculus or Science elective	3 or 4
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	Degree Total Credits:	65-66			62-63

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MAT-223 Calculus for Managerial & Social Sciences

MAT-280 Calculus I.

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