Information Technology (ITEC)

Catalog: 2015-2016					Effective Date: 9/01/2014				
CR	**COURSE**	**COURSE TITLE**	**SUNY GEN ED**	**TR**	**SEMESTER**				
1-4	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE							
3	ENG 101 or ENG 100A & B	*Introduction to College Writing* or *Writing Reading Workshop A/B*	GEBC						
3	SUNY GEN ED Basic Communication ENG 102, ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110		GEBC						
3-4	Lab Science								
2	Any PED activity course, AVS 101, AVS 102, BIO 114, BIO 115, HED 103, HED 104, HED 108, PED 172 or SCI 161 (Note: PED 105, PED 106, PED 206, PED 210, PED 211, and PED 212 do not fulfill this requirement)	HEALTH AND WELLNESS							
6	Social Science								
3	SPH 111	*Introduction to Public Speaking*							
3	BUS 101	*Introduction to Business*							
1	BUS 118	*Keyboarding*							
3	CIS 111	*Computers and Applications*							
3	CIS 122 (Prereq Required)	*Introduction to Internet Development*							
3	CIS 126 (Spring only - Prereq Required)	*Advanced PC Applications*							
3	CIS 131 (Prereq Required)	*Introduction to Networking*							
3	CIS 143 (Prereq Required)	*Introduction to Programming*							
3	CIS 150 (Prereq Required)	*Topics in Computing*							
	Choose one Focus Area:								
	Applications Development								
3	CIS 144 (Prereq Required)	*Intermediate Programming in a Windows Environment*							
3	CIS 151 (Fall only - Prereq Required)	*Server Side Scripting*							
3	CIS 178	*Information Technology Internship*							
3	CIS 237 (Prereq Required)	*Database Management Systems*							
3	MAT 119 or MAT 129 (Prereq Required)	*Finite Mathematics* or *Discrete Mathematics*							
3	Choose from: CIS 222 (Spring only - Prereq Required), CIS 243 (Prereq Required) or CIS 250 (Spring only- Prereq Required)	IT ELECTIVE							

Note: Please review the back of this form for remaining degree requirements.

CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER				
	Information Technology AAS (ITEC)								
	End User Support								
3	CIS 120 (Prereq Required)	*PC Hardware Fundamentals*							
3	CIS 123 (Spring only - Prereq Required)	*PC Software Fundamentals*							
3	CIS 219 (Spring only – Prereq and Coreq Required)	*End User Support and Security*							
3	CIS 178	*Information Technology Internship*							
4	MAT 127 (Prereq Required)	*Introductory Statistics with Probability*	GEMA						
3-4	Choose from: CIS 144 (Prereq Required), CIS 232 (Spring only – Prereq Required) or CIS 250 (Spring only – Prereq Required)	IT ELECTIVE							
	Business Management								
4	BUS 146 or BUS 146 A & B	*Financial Accounting*							
4	BUS 147 (Prereq Required)	*Management Accounting*							
3	BUS 201	*Business Law I*							
3-4	MAT 121 or MAT 127 (Prereq Required)	*Pre-calculus: Algebra* or *Introductory Statistics with Probability*	GEMA						
6	Choose 2 from: BUS 102, BUS 103 or BUS 261	BUSINESS ELECTIVE							
3	Liberal Arts								
64	**Minimum credits required for graduation**								

❖	COURSE PREREQUISITES:			
CIS 120	Familiarity with using a PC, keyboard, and mouse in a Windows environment.	**CIS 219**	CIS 120	
CIS 122	Familiarity using a Windows-based PC, file management techniques and a word processor	**CIS 222**	CIS 144	
CIS 123	CIS 120	**CIS 232**	CIS 131	
CIS 126	CIS 125 or CIS 150	**CIS 237**	CIS 144	
CIS 131	Familiarity using a PC, keyboard, and mouse in a Windows environment or CIS 111 or permission of instructor	**CIS 243**	CIS 144 with C or better and MAT 129	
CIS 143	MAT 108 or MAT 119 or CIS 122	**CIS 250**	Permission of instructor	
CIS 144	CIS 143 with C or better	**BUS 147**	BUS 146 (or 146 A) with C or better and CIS 119, 125 or 150 or permission of instructor	
CIS 150	CIS 143	**MAT 127**	MAT 097 and 21 earned credits or MAT 108	
CIS 151	CIS 122 or CIS 143	**MAT 129**	MAT 108 with C or better	
❖	COURSE COREQUISITES:			
CIS 219	CIS 123 and MAT 127			

❖	RECOMMENDED SEQUENCE:	APPLICATIONS DEVELOPMENT FOCUS AREA		
FIRST YEAR				
First Semester		**Second Semester**		
1-4	HRD 100, HRD 100A or HRD 110			
3	ENG 101 or ENG 100 A & B	3	ENG 102 – ENG 110	
3	BUS 101	3	SPH 111	
1	BUS 118	3	CIS 131	
3	CIS 111	3	CIS 143	
3	CIS 122	3	Social Science	
3	MAT 119 or MAT 129 (See Note 1)	1	Health and Wellness	
SECOND YEAR				
Third Semester		**Fourth Semester**		
3	CIS 150	3	CIS 126	
3	CIS 144	3	Social Science	
3	Liberal Arts	3	IT Elective – CIS 222, CIS 243 or CIS 250 (See Note 1)	
3	CIS 151	3	CIS 237	
3-4	Lab Science	3	CIS 178	
1	Health and Wellness			
NOTES:				
	1. MAT 129 is required for those students who wish to take CIS 243 as their IT elective.			

	RECOMMENDED SEQUENCE:	END USER SUPPORT FOCUS AREA		

FIRST YEAR

First Semester			Second Semester	
1-4	HRD 100, HRD 100A or HRD 110			
3	ENG 101 or ENG 100 A & B		3	ENG 102 – ENG 110
3	CIS 120		3	SPH 111
1	BUS 118		3	BUS 101
3	CIS 111		3	CIS 143
3	CIS 122		3	CIS 123
4	MAT 127		1	Health and Wellness

SECOND YEAR

Third Semester			Fourth Semester	
3	CIS 150		3	CIS 126
3	CIS 131		3	Social Science
3	Liberal Arts		3	IT Elective – CIS 144, CIS 232 or CIS 250
3	Social Science		3	CIS 219
3-4	Lab Science		3	CIS 178
1	Health and Wellness			

	RECOMMENDED SEQUENCE:	BUSINESS MANAGEMENT FOCUS AREA		

FIRST YEAR

First Semester			Second Semester	
1-4	HRD 100, 100A or 110			
3	ENG 101 or ENG 100 A & B		3	ENG 102 – ENG 110
3	BUS 101		3	SPH 111
1	BUS 118		3	CIS 131
3	CIS 111		3	CIS 143
3	CIS 122		4	BUS 146
3-4	MAT 121 or MAT 127		1	Health and Wellness

SECOND YEAR

Third Semester			Fourth Semester	
3	CIS 150		3	CIS 126
4	BUS 147		3	Social Science
3	Business Elective: BUS 102, BUS 103 or BUS 261		3	Business Elective: BUS 102, BUS 103 or BUS 261
3	Social Science		3	Liberal Arts
3-4	Lab Science		3	BUS 201
1	Health and Wellness			

❖ **DEFINITION OF COURSE REQUIREMENTS:** See http://catalog.sunyacc.edu/academics/degreerequirements

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to visit the Advisement and Career Services Center in Warren Hall for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See http://catalog.sunyacc.edu/academics/generaleducation
  - ❖ Mathematics (GEMA)
  - ❖ Natural Sciences (GENS)
  - ❖ Social Sciences (GESS)
  - ❖ American History (GEAH)
  - ❖ Western Civilization (GEWC)
  - ❖ Other World Civilization (GEOC)
  - ❖ Humanities (GEHU)
  - ❖ The Arts (GETA)
  - ❖ Foreign Languages (GEFL)
  - ❖ Basic Communication (GEBC)