

Information Technology (ITEC)

Catalog: 2017-2018

Effective Date: 9/01/2016

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	<i>Introduction to College Writing or Writing Reading Workshop A/B</i>	GECB					
3	SUNY GEN ED Basic Communication ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110		GECB					
4	Lab Science							
3	ECO 101	<i>Introduction to Personal Economics</i>						
3	SPH 111	<i>Introduction to Public Speaking</i>						
3	CIS 111	<i>Computers and Applications</i>						
3	CIS 125	<i>Office Productivity Software</i>						
3	CIS 122 (Prereq Required)	<i>Introduction to Internet Development</i>						
3	CIS 126 (Spring only - Prereq Required)	<i>Advanced PC Applications</i>						
3	CIS 131	<i>Introduction to Networking</i>						
3	CIS 140 or CIS 143 - (Prereq Required)	<i>Introduction to Programming in a Windows Environment or Introduction to Programming</i>						
3	CIS 150 (Prereq Required)	<i>Topics in Computing</i>						
Choose one Focus Area:								
<u>Applications Development</u>								
3	CIS 144 (Prereq Required)	<i>Intermediate Programming in a Windows Environment</i>						
3	CIS 151 (Fall only - Prereq Required)	<i>Server Side Scripting</i>						
3	CIS 178	<i>Information Technology Internship</i>						
3	CIS 237 (Prereq Required)	<i>Database Management Systems</i>						
3-4	MAT 127 or MAT 129 - (Prereq Required)	<i>Introductory Statistics with Probability or Discrete Mathematics</i>						
6	Choose 2 from: CIS 211(Prereq Required) CIS 222 (Spring only - Prereq Required) CIS 243 (Prereq Required) CIS 250 (Spring only- Prereq Required)	IT ELECTIVE						

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

Information Technology AAS (ITEC)

CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER			
	<u>End User Support</u>							
3	CIS 120 (Prereq Required)	<i>PC Hardware Fundamentals</i>						
3	CIS 123 (Spring only - Prereq Required)	<i>PC Software Fundamentals</i>						
3	CIS 219 (Spring only – Prereq and Coreq Required)	<i>End User Support</i>						
3	CIS 178	<i>Information Technology Internship</i>						
4	MAT 127 (Prereq Required)	<i>Introductory Statistics with Probability</i>	GEMA					
6	Choose from: CIS 211 (Prereq Required) CIS 222 (Prereq Required) CIS 243 (Prereq Required) CIS 250 (Spring only – Prereq Required)	IT ELECTIVE						
	<u>Business Management</u>							
4	BUS 146 or BUS 146 A & B	<i>Financial Accounting</i>						
4	BUS 147 (Prereq Required)	<i>Management Accounting</i>						
3	BUS 201	<i>Business Law I</i>						
3-4	MAT 121 or MAT 127 (Prereq Required)	<i>Pre-calculus: Algebra or Introductory Statistics with Probability</i>	GEMA					
6	Choose 2 from: BUS 102, BUS 103 or BUS 261	BUSINESS ELECTIVE						
3	Electives							
61	Minimum credits required for graduation							

❖ COURSE PREREQUISITES:			
BUS 147	BUS 146 (or 146 A) with C or better <u>and</u> CIS 119, 125 or 150 <u>or</u> permission of instructor	CIS 211	CIS 111 or CIS 131
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 140	CIS 122 or MAT 108	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 140 with C or better <u>or</u> CIS 143 with C or better	MAT 127	MAT 096 within 4 years and 21 passed credits <u>or</u> MAT 097 within 4 years and 21 earned credits <u>or</u> MAT 108
CIS 150	CIS 143	MAT 129	MAT 108 with C or better
CIS 151	CIS 122 or CIS 143		
❖ 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	ECO 101	3	SPH 111
3	CIS 111	3	CIS 131
3	CIS 122	3	CIS 143
3	CIS 125	3	Social Science
		1	Health and Wellness
SECOND YEAR			
Third Semester		Fourth Semester	
3	CIS 144	3	CIS 126
3	CIS 150	3	CIS 237
3	CIS 151	3	IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 (See Note 1)
4	Lab Science	3	Electives
3-4	MAT 127 or MAT 129 (See Note 1)	3	CIS 178
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
3	CIS 111	3	ECO 101
3	CIS 122	3	CIS 140 or CIS 143
3	CIS 125	3	CIS 123
SECOND YEAR			
Third Semester		Fourth Semester	
4	Lab Science	4	MAT 127
3	CIS 131	3	CIS 126
3	CIS 150	3	CIS 178
3	IT Elective – CIS 144, CIS 211, CIS 232 or CIS 250	3	CIS 219
3	Electives	3	IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250

❖ 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	ECO 101	3	SPH 111
3	CIS 111	3	CIS 126
3	CIS 122	3	CIS 131
3	CIS 125	4	BUS 146
SECOND YEAR			
Third Semester		Fourth Semester	
		3	CIS 150
4	BUS 147	3-4	MAT 121 or MAT 127
3	Business Elective: BUS 102, BUS 103 or BUS 261	3	Business Elective: BUS 102, BUS 103 or BUS 261
3	CIS 140 or CIS 143	3	BUS 201
4	Lab Science	3	Electives

❖ **DEFINITION OF COURSE REQUIREMENTS:** See <http://catalog.sunyacc.edu/academics/degree requirements>

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to meet with their assigned academic advisor 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>

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|-------------------------------|-----------------------------------|
| ❖ Mathematics (GEMA) | ❖ Other World Civilization (GEOC) |
| ❖ Natural Sciences (GENS) | ❖ Humanities (GEHU) |
| ❖ Social Sciences (GESS) | ❖ The Arts (GETA) |
| ❖ American History (GEAH) | ❖ Foreign Languages (GEFL) |
| ❖ Western Civilization (GEWC) | ❖ Basic Communication (GEBC) |