Information Technology AAS (ITEC)

Catalog: 2020-2021				Effective Date: 9/01/2018					

CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER				
1-2	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE							
3	ENG 101	*Introduction to College Writing*	GEBC						
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		GEBC						
4	Lab Science								
3	ECO 101	*Introduction to Personal Economics*							
3	SPH 111	*Introduction to Public Speaking*							
3	CIS 111	*Introduction to Information Technology and Applications*							
3	CIS 125	*Office Productivity Software*							
3	CIS 122 (Prereq Required)	*Introduction to Internet Development*							
3	CIS 126 (Spring only - Prereq Required)	*Advanced PC Applications*							
3	CIS 131	*Introduction to Networking*							
3	CIS 140 (Spring only) or CIS 143 - (Prereq Required)	*Introduction to Programming in a Windows Environment* or *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 (Spring only - Prereq Required)	*Database Management Systems*							
3-4	MAT 127 or MAT 129 - (Prereq Required)	*Introductory Statistics with Probability* or *Discrete Mathematics*							
6	Choose 2 from: CIS 211(Fall only - 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.

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CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER			
	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*						
3	CIS 178	*Information Technology Internship*						
4	MAT 127 (Prereq Required)	*Introductory Statistics with Probability*	GEMA					
6	Choose from: CIS 144 (Prereq Required) CIS 211 (Fall only - Prereq Required) CIS 232 (Prereq Required) CIS 250 (Spring only – Prereq Required)	IT ELECTIVE						
	Business Management							
4	BUS 146	*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	Electives							
61	**Minimum credits required for graduation**							

Notes on Information Technology AAS (ITEC)

❖ COURSE PREREQUISITES:

BUS 147	BUS 146 (or 146B0 with C or better and CIS 119, 125 or 150 or 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	**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 or CIS 143 with C or better	**MAT 127**	MAT 096 within 4 years and 21 passed credits or MAT 097 within 4 years and 21 earned credits or 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	
1-2	HRD 100, HRD 100A or HRD 110		
3	ENG 101	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	4	Lab Science

SECOND YEAR

Third Semester		Fourth Semester	
3	CIS 144	3	CIS 126
3	CIS 150	3	CIS 237
3	CIS 151	3	CIS 178
3	IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 (See Note 1)	3	IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 (See Note 1)
3-4	MAT 127 or MAT 129 (See Note 1)	3	Electives

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	
1-2	HRD 100, HRD 100A or HRD 110		
3	ENG 101	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	
1-2	HRD 100, 100A or 110		
3	ENG 101	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/degreerequirements

❖ **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
- ❖ 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)