

Information Technology – Computer Networking AAS (ITCN)

Catalog: 2015-2016			Effective Date: 9/01/2015				
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>	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	MAT 119 or MAT 129	<i>Finite Mathematics or Discrete Mathematics</i>					
3-4	Lab Science						
3	Social Science or Humanities						
3	SPH 111	<i>Introduction to Public Speaking</i>					
1	BUS 118	<i>Keyboarding</i>					
3	CIS 131 (Prereq and Coreq Required)	<i>Introduction to Networking</i>					
4	CIS 133 (Prereq and Coreq Required)	<i>Network Fundamentals (CCNA1)</i>					
4	CIS 134 (Prereq Required)	<i>Routing Protocols and Concepts (CCNA2)</i>					
3	CIS 135 (Prereq Required)	<i>Networking Security I</i>					
4	CIS 139 (Prereq Required)	<i>Scaling LAN & WAN Technologies</i>					
3	CIS 143 (Prereq Required)	<i>Introduction to Programming</i>					
3	CIS 150 (Prereq Required)	<i>Topics in Computing</i>					
3	CIS 151 (Prereq Required) or CIS 222 (Prereq Required)	<i>Server Side Scripting or Programming In Java</i>					
3	CIS 120 or CIS 144 (Prereq Required)	<i>PC Hardware Fundamentals or Intermediate Programming in a Windows Environment</i>					
3	CIS 178 (Prereq Required)	<i>Information Technology Internship</i>					
3	CIS 232 (Prereq Required)	<i>Server Administration</i>					
4	CIS 233 (Prereq Required)	<i>Advanced Routing(CCNP1)</i>					
3	Liberal Arts						
1	Elective						
64	Minimum credits required for graduation						

Note: Please review the back of this form for additional information.

❖ COURSE PREREQUISITES:			
CIS 131	CIS 111 or Familiarity using a PC, keyboard, and mouse in a Windows environment	CIS 143	MAT 108 (or equivalent) or CIS 122
CIS 133	CIS 131 (pre or corequisite)	CIS 144	CIS 143
CIS 134	CIS 133	CIS 150	CIS 143
CIS 135	CIS 131	CIS 151	CIS 143 or CIS 222
CIS 139	CIS 134 or CCENT certification with instructor permission	CIS 232	CIS 131
		CIS 233	CIS 138

❖ RECOMMENDED SEQUENCE:			
FIRST YEAR			
First Semester		Second Semester	
1-4	HRD 100, HRD 100A or HRD 110		
3	ENG 101 or ENG 100 A & B	4	CIS 134
1	BUS 118	3	CIS 135
3	CIS 131	3	CIS 143
4	CIS 133	3	CIS 232
3	Liberal Arts (See Note 1)	3	MAT 119 or MAT 129
SECOND YEAR			
Third Semester		Fourth Semester	
3	ENG 102-ENG 110	3	Social Science or Humanities
4	CIS 139	3	SPH 111
3	CIS 150	3	CIS 178
3	CIS 151 or CIS 222	4	CIS 233
3-4	Lab Science	3	CIS 120 or CIS 144
1	Elective (See Note 2)		
NOTES:			
1. MAT 108 is required (and meets the Liberal Arts requirement) for those students who do not directly place into MAT 119 or MAT 129.			
2. If a 4 credit lab science is chosen, the elective credit requirement is satisfied.			

❖ **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>

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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) |