

SCHENECTADY COUNTY COMMUNITY COLLEGE
CURRICULUM WORKSHEET

PROGRAM: **COMPUTER NETWORKING SYSTEMS and CYBER SECURITY (A.A.S.)**HEGIS # 5104SCCC Program Code # 69

PROGRAM REQUIREMENTS	CR	SUNY GEN ED CATEGORY	SATISFIES LIBERAL ARTS AND
CIS 110 Workstation Architecture & Support I (A+)	3		
CIS 111 Workstation Architecture & Support II (A+)	3		
CIS 129 Programming Fundamentals	3	Mathematics and Quantitative Reasoning	
CIS 134 C++/UNIX	4		
FYS 100 First Year Seminar	1		
CIS 225 Operating Systems	3		Yes
CIS 240 Internetworking Fundamentals	3		Yes
CIS 249 Introduction to Routing and Switching	4		
CIS 251 Switching and Advanced Routing	4		
CIS 256 Introduction to Systems Management	4		
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
CIS 257 Advanced Networking & Systems Management	4		Yes
CIS 262 Introduction to Network Security	3		Yes
CIS 263 Introduction to Computer Forensics	3		
ENG 123 College Composition	3	Communication: Written and Oral; Critical Thinking and Reasoning; Information Literacy	Yes
ENG 211 Technical and Professional Writing	3	Communication: Written and Oral	Yes
MAT 123 Quantitative Reasoning	3	Mathematics and Quantitative Reasoning	Yes
MAT149 Topics in Finite Mathematics	3	Mathematics and Quantitative Reasoning	Yes
Humanities SUNY General Education	3	Humanities	Yes
Natural Sciences and Scientific Reasoning SUNY General Education Elective	3-4	Natural Sciences and Scientific Reasoning	Yes
Minimum Credit Hours		Total Gen. Ed. Credits: 24-25	Total LAS Credits: 31-32
	63	Total # of Gen. Ed. Categories: 5	

Additional Comments: Please refer to the footnotes on the reverse side.

**COMPUTER NETWORKING SYSTEMS and CYBER SECURITY
ASSOCIATE IN APPLIED SCIENCE**

FIRST YEAR

<u>Fall Semester</u>		<u>CR</u>	<u>Spring Semester</u>		<u>CR</u>
CIS 110	Workstation Arch/ Support I (A+)	3	ENG 211	Technical and Professional Writing	3
CIS 129	Programming Fundamentals	3	CIS 111	Workstation Arch/ Support II (A+)	3
CIS 240	Internetworking Fundamentals	3	CIS 134	C++/Unix	4
FYS 100	First Year Seminar	1	CIS 249	Intro to Routing and Switching	4
ENG 123	College Composition	3	MAT 149	Topics in Finite Mathematics	3
MAT 123	Quantitative Reasoning	3			
	TOTAL	16		TOTAL	17

SECOND YEAR

<u>Fall Semester</u>		<u>CR</u>	<u>Spring Semester</u>		<u>CR</u>
CIS 251	Switching & Advanced Routing	4	CIS 262	Intro to Network Security	3
CIS 256	Intro to Systems Management	4	CIS 263	Intro to Computer Forensics	3
CIS 225	Operating Systems	3	CIS 257	Advanced Networking & Sys Mgt	4
	Natural Sciences and Scientific Reasoning SUNY General Education Elective	3-4		Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3
				Humanities SUNY General Education Elective	3
	TOTAL	14-15		TOTAL	16

Minimum Credit Hours required for degree: 63