SCHENECTADY COUNTY COMMUNITY COLLEGE
<u>CURRICULUM WORKSHEET</u>

PROGRAM: **COMPUTER NETWORKING SYSTEMS and CYBER SECURITY (A.A.S.)**

HEGIS # 5104   SCCC 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

Fall Semester		CR	Spring Semester		CR
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

Fall Semester		CR	Spring Semester		CR
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_____

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