SCHENECTADY COUNTY COMMUNITY COLLEGE
CURRICULUM WORKSHEET

PROGRAM: **COMPUTER INFORMATION SYSTEMS (A.A.S.)**

HEGIS # 5103   SCCC Program Code # 34

PROGRAM REQUIREMENTS	CR	SUNY GEN ED CATEGORY	SATISFIES LIBERAL ARTS AND SCIENCES (YES)
CIS 129 Programming Fundamentals	3	Mathematics and Quantitative Reasoning	
CIS 133 Programming in Java	3		Yes
CIS 134 C++/UNIX	4		
CIS 136 Introduction to Web Development	3		
FYS 100 First Year Seminar	1		
CIS 221 Computer Applications	3		
CIS 223 Database Management	3		
CIS 229 Systems Analysis & Design	3		
CIS 236 Advanced Web Design	3		
CIS 237 Advanced Web Programming	3		
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
CIS 240 Internetworking Fundamentals	3		Yes
ENG 123 College Composition	3	Communication: Written and Oral; Critical Thinking and Reasoning; Information Literacy	Yes
ENG 211 Technical & Professional Writing	3	Communication: Written and Oral	Yes
MAT 123 Quantitative Reasoning	3	Mathematics and Quantitative Reasoning	Yes
MAT 149 Topics in Finite Mathematics	3	Mathematics and Quantitative Reasoning	
MGT 123 Introduction to Business	3		
Restricted Electives (a)	6		
Humanities SUNY General Education Elective	3	Humanities	Yes
Natural Science and Scientific Reasoning SUNY General Education Elective	3-4	Natural Sciences and Scientific Reasoning	Yes
Minimum Credit Hours	62-63	Total Gen. Ed. Credits: 24-25	Total Liberal Arts and Social Sciences
		Total Gen. Ed. Categories: 5	

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

COMPUTER INFORMATION SYSTEMS
ASSOCIATE IN APPLIED SCIENCE

FIRST YEAR

Fall Semester		CR	Spring Semester		CR
CIS 129	Programming Fundamentals	3	CIS 236	Advanced Web Design	3
CIS 136	Introduction to Web Development	3	ENG 211	Technical & Professional Writing	3
CIS 221	Computer Applications	3	MAT 149	Topics in Finite Mathematics	3
FYS 100	First Year Seminar	1	MGT 123	Introduction to Business	3
				Natural Science and Scientific Reasoning SUNY General Education	
ENG 123	College Composition	3		Elective	3-4
MAT 123	Quantitative Reasoning	3			
	TOTAL	16		TOTAL	15-16

SECOND YEAR

Fall Semester		CR	Spring Semester		CR
CIS 223	Database Management	3	CIS 229	Systems Analysis & Design	3
CIS 134	C++/UNIX	4	CIS 133	Programming in Java	3
CIS 240	Internetworking Fundamentals	3		Restricted Elective (a)	3
				Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3
CIS 237	Advanced Web Programming	3		Humanities SUNY General Education	
	Restricted Elective (a)	3		Elective	3
	TOTAL	16		TOTAL	15

Minimum Credit Hours required for degree: _____ 62 _____

NOTES:

(a) Restricted Electives: CIS 110, CIS 111, CIS 225, CIS 249, CIS 246, CIS 259

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