SUNY SCHENECTADY
CURRICULUM WORKSHEET

PROGRAM: **PROGRAMMING FOR GAME DESIGN (A.S.)**

HEGIS #5103   SCCC Program Code **#104**   Program Entry Date:

Student Name: Former College(s) Attended:
SCCC ID Number:

PROGRAM REQUIREMENTS	CR	SUNY GENERAL EDUCATION CATEGORY	SATISFIES LIBERAL ARTS AND SCIENCE
CIS 115 History of Video Gaming	3		
CIS 129 Programming Fundamentals	3	Mathematics and Quantitative Reasoning	
CIS 133 Programming Java	3		Yes
CIS 137 Unity Programming	3		
CIS 235 Mobile Game Development	3		
CIS 229 Systems Analysis and Design	3		
CIS 223 Database Management	3		
CIS 246 Data Structures	3		
ENG 123 College Composition	3	Communication: Written and Oral; Critical Thinking and Reasoning	Yes
ENG 124 Literature and Writing	3	Humanities; Information Literacy	Yes
FYS 100 First Year Seminar	1		
US History SUNY General Education Elective	3	US History and Civic Engagement	Yes
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
MAT 154 College Algebra & Trigonometry	3	Mathematics and Quantitative Reasoning	Yes
MAT 167 Pre-Calculus & Analytic. Geom.	4	Mathematics and Quantitative Reasoning	Yes
MAT 180 Calculus 1	4	Mathematics and Quantitative Reasoning	Yes
MGT 242 Entrepreneurship OR CIS 259 Computer Information Systems Internship	3		
MUS 133 Digital Music & Beats Production I	3		
PHI 150 Basic Logic	3	Critical Thinking and Reasoning	Yes
PHY 153 Physics I	4	Natural Sciences and Scientific Reasoning	Yes
PSY 121 Introduction to Psychology	3	Social Science	Yes
Minimum Credit Hours	64		
		Total Gen. Ed. Credits: 33	Total Number of Liberal Arts and Sciences Credits: 33
		Total # of Gen. Ed. Categories: 7	

Reviewed by _____

Date_____

PROGRAMMING FOR GAME DEVELOPMENT

ASSOCIATE IN SCIENCE

FIRST YEAR							
	Fall Semester		CR		Spring Semester		CR
ENG	123	College Composition	3	MAT	167	Pre-Calculus & Geometry	4
PHI	150	Basic Logic	3			US History SUNY General Education Elective	3
CIS	129	Programming Fundamentals	3	PHY	153	Physics I	4
MAT	154	College Algebra & Trigonometry	3	CIS	133	Programming in Java	3
PSY	121	Introduction to Psychology	3	CIS	115	History of Video Gaming	3
FYS	100	First Year Seminar	1				
		Total	**16**			**Total**	**17**

SECOND YEAR							
	Fall Semester		CR		Spring Semester		CR
MAT	180	Calculus I	4	MGT	242	Entrepreneurship OR CIS 259 Computer Information Systems Internship	3
		Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3				
CIS	223	Database Management	3	ENG	124	Literature and Writing	3
MUS	133	Digital Music & Beats Production I	3	CIS	235	Mobile Game Development	3
CIS	137	Unity Programming	3	CIS	229	Systems Analysis and Design	3
				CIS	246	Data Structures	3
		Total	**16**			**Total**	**15**

Minimum Credit Hours required for degree: 64

Rev. 4/30/2025