



Community: Information Technology

AAS: Game Development

2019-2020 AAS Degree Requirements

Required Courses	Title	Credits
ENG 121	English Composition I	3
MAT 121	College Algebra (or higher)	4
Choose 1 from the following:	Faculty Approved Business Course: BUS 115, BUS 120, BUS 216, BUS 226, MAN 210, ACC 121 (4)	3
Choose 1 from the following	ENG 122 English Composition II or ENG 131 Technical Writing	3
Choose 1 from the following	COM 115 Public Speaking or COM 125 Interpersonal Communication	3
Credit from any two of the following three areas:	Arts and Humanities: (ART, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE) Natural and Physical Science: (AST, BIO, CHE, ENV, GEY, PHY, SCI) Social and Behavioral Sciences: (ANT, ECO, GEO, HIS, POS, PSY, SOC)	6
Required Courses:		
CSC 119	Introduction to Programming	3
CSC 126	Game Design	3
CSC 160	Computer Science I: C++	4
CSC 217	Advanced Python Programming	3
CSC 200	Game Programming I	3
CIS 220	Fundamentals of Unix	3
CIS 268	Systems Analysis and Design – <i>Last Semester Course</i>	3
Choose 15 credits from the following		15
CIS 240	Database Design and Development (3)	
CIS 243	Introduction to SQL (3)	
CSC 161	Computer Science II: C++ (4)	
CSC 240	Java Programming (3)	
CSC 241	Advanced Java Programming (3)	
CSC 246	Mobile App Development (3)	
CNG 101	Networking Fundamentals (3)	
CNG 131	Principles of Information Assurance (3)	
Choose 1 from the following	CIS 289 Capstone or CSC 280 Internship	3
TOTAL CREDITS:		62

Degree Map (Start Fall or Spring)

Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119	Introduction to Programming: Python	3	Basic Computer Skill
	CSC 126	Game Design and Development (Summer, Fall)	3	Basic Computer Skill
	ENG 121	English Composition I	3	
	MAT 121	College Algebra (or higher)	4	
	PHI 113	Logic (GT-AH3)	3	
	PHI 112	Ethics (GT-AH3)		

Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 160	Computer Science I: C++	4	CSC 119
	CIS 220	Fundamentals of Unix	3	CSC 119
	COM 115 COM 125	Public Speaking Interpersonal Communication	3	
	CIS 240	Database and Design Development (concurrent with CIS 243)	3	CSC 119
	CIS 243	Introduction to SQL (concurrent with CIS 240)	3	CIS 240

Fall Semester:

Compete	Course Number	Title	Credits	Prerequisite
	ENG 122 ENG 131	English Composition II Technical Writing	3	ENG 121
	PHY 105 PHY 111	Conceptual Physics w/Lab PHY 111 Physics: Algebra-Based I/lab	4 5	
	BUS 115 BUS 121 BUS 217 MAN 210	Introduction to Business Basic Workplace Skills Business Communication and Report Writing Aligning Technology with Business Strategy	3	
	CSC 161 CSC 246	Computer Science II: C++ (Fall Only) Mobile App Development (Fall Only)	4 3	CSC 160 CSC 160
	CNG 101	Networking Fundamentals	3	Basic Computer Skill

Spring Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 217	Advanced Python Programming	3	CSC 119
	CSC 240 CSC 241 CNG 131	Java Programming (7.5 week session I) Advanced Java Programming (7.5 week session II) Principles of Information Assurance	3	CSC 160 CSC 240 CNG 101
	CSC 200	Game Programming I (Spring only)	3	CSC 119
	CIS 268	Systems Analysis and Design - (Spring Only)	3	Last Semester
	CIS 289 CSC 280	Capstone – (Spring Only) Internship	3	Last Semester Last Semester

Faculty Advisor: Candace Garrod | candace.garrod@rrcc.edu