

**GAME DEVELOPMENT AAS  
2009-2010**

**Specific Prerequisite not Listed in Required Courses – can be taken at JCCC**

CDTP 135 Desktop Photo Manipulation I: Photoshop\* 1

**Specific Prerequisite not Listed in Required Courses – can be taken at MCC**

CSIS 123 Programming Fundamentals 4 eqv JCCC CIS 134

**SPECIFIC PROGRAM REQUIREMENTS – Must be taken at JCCC**

ANI 123	Concept Art for Animation	3
ANI 145	Introduction to 3D Animation*	3
CIS 235	Object-Oriented Programming using C++* <i>or</i>	4
CS 250	Basic Data Structures using C++*	
CS 200	Concepts of Programming Algorithms Using C++	4
ENGL 140	Writing for Interactive Media*	3
ENGL 150	Digital Narratives*	3
GAME 102	The Business of Games	3
GAME 140	Game Programming I – 2D*	4
GAME 180	Artificial Intelligence for Games	3
GAME 230	Game Programming II – 3D*	4
GAME 110	Flash Gaming <i>or</i>	4
GAME 255	Mobile Game Programming*	
GAME 250	Game Programming III-Capstone*	4
MATH 191	Math & Physics for Games I* <i>or</i>	4
PHYS 191	Math & Physics for Games I*	
	Game <i>Electives</i>	3-4

**Game Electives – must choose from one course taken at JCCC**

CIM 130	Interactive Media Concepts	2
CIM 140	Interactive Media Assets*	4
ANI 245	Character Animation *	3
CIS 243	Object-Oriented Analysis and Design*	4
CIS 262	Project Management*	3
MUS 156	MIDI Music Composition	3
GAME 110	Flash Gaming	4
GAME 255	Mobile Game Programming*	4

\*Prerequisite/corequisite required

**SPECIFIC PROGRAM REQUIREMENTS – Must be taken at one of the MCC campuses**

ENGL 101	Composition & Reading I	3 eqv JCCC ENGL 121
ENGL 240	Mythology	3 eqv JCCC HUM 155
CSIS 117	Introduction to Computer Game Creation	3 eqv JCCC GAME 101
CSIS 118	Introduction to Game Design	3 eqv JCCC GAME 200
MATH 120	College Algebra <i>or</i>	3 eqv JCCC MATH 171
MATH 150	Precalculus <i>or</i>	5 eqv JCCC MATH 173
MATH 175	Calculus for Business and Social Sciences <i>or</i>	3 eqv JCCC MATH 231
MATH 180	Analytic Geometry and Calculus I <i>or</i>	5 eqv JCCC MATH 241
MATH 190	Analytic Geometry and Calculus II <i>or</i>	5 eqv JCCC MATH 242
MATH 210	Analytic Geometry and Calculus III	5 eqv JCCC MATH 243
Social Science/Economics Elective		3
Physical Education Elective		1

Total Credit Hours Required 69 - 70

**Social Science Electives that will transfer from MCC to JCCC:**

ANTH 100, ECON 110, ECON 210, ECON 211, GEOG 111, GEOG 112, HUSC 162, POLS 135, POLS 136, POLS 137, PSYC 140, SOCI 160, SOCI 162, SOCI 163, SOCI 170

**Physical Education Electives that will transfer from MCC to JCCC:**

DANC 100, DANC 111, EMTP 102, HUSC 108, PHED 105, PHED 106, PHED 107, PHED 108, PHED 109, PHED 110, PHED 113, PHED 114, PHED 117, PHED 118, PHED 119, PHED 120, PHED 121, PHED 122, PHED 123, PHED 126, PHED 127, PHED 128, PHED 129, PHED 130, PHED 131, PHED 135, PHED 136, PHED 137, PHED 140, PHED 141, PHED 143, PHED 144, PHED 145, PHED 146, PHED 147, PHED 157, PHED 158, PHED 159, PHED 165, PHED 166, PHED 167, PHED 168, PHED 173, PHED 174, PHED 179, PHED 180