

B.S. in Game Design Engineering 131 Credits

Remedial Courses * **				
✓	Course number	Course Name	Credits	Prerequisite
	MATH050	Basic Algebra	**3	None
	ENG050	Grammar and Composition	**3	None
Additional Math Courses ***				
	MATH116	Pre-Calculus	***4	Placement Test or MATH050
Trimester 1 & 2				
✓	Course number	Course Name	Credits	Prerequisite
	CS100	Introduction to Scripting: Python ◊	3	None
	ART100	2D Design 1 ◊	3	None
	GAM225	Introduction to Game Production ◊	3	None
	MATH143	Calculus 1 ◊	4	Placement Test or MATH116
	HUM100	Disruptive Imagination ◊	3	None
	ART110	Sketching	3	None
	ENG100	English Composition	3	Placement Test or ENG050
	DAA106	Digital Imaging Concepts	3	ART100
	CS115	Web Programming: HTML, CSS, and JavaScript	3	None
	SCI145	College Physics 1	4	MATH143
	MATH145	Calculus 2	4	MATH143
		◊ Recommended first term courses		
Trimester 3 & 4				
✓	Course number	Course Name	Credits	Prerequisite
	DAA240	Introduction to 3D Modeling	3	DAA106
	GAM295	Game Design 1	3	None
	MATH295	Discrete Mathematics	3	MATH144 or MATH145
	SCI245	College Physics 2	3	SCI145
	GE Course	Please General Education Requirements	3	As Required
	DAA267	Character Rigging	3	DAA244
	GAM220	Introduction to Game Storytelling (or GAM235 Game Usability if GAM235 already taken)	3	ENG100
	CS285	C++ Programming: Object Oriented Programming	4	CS100 or CS110 or CS212
	BUS110 or BUS270	Principles of Management or Project management	3	None ENG100
	MATH290	Linear Algebra and Transformations	3	MATH144 or MATH145
	GE Course	Please General Education Requirements	3	As Required

* Remedial classes are required when a placement test is not passed.

** Remedial class credits are not counted towards earning a degree.

Trimester 5 & 6				
✓	Course number	Course Name	Credits	Prerequisite
	CS445	Advanced C++ Programming	3	CS285
	DAA245	Texturing	3	DAA240
	GE Course	Please General Education Requirements	3	As Required
	GE Course	Please General Education Requirements	3	As Required
	GE Course	Please General Education Requirements	3	As Required
	CS295	Data Structures and Algorithms	4	CS110 or CS285
	SWE375 or SWE376	Mobil Programming for IOS or Mobil Programming for Android	3	CS212 or CS285 CS212 or CS285
	GAM355	Level Design 1	3	DAA240 and CS100
	GAM376	Game Design 2	3	GAM295
	GE Course	Please General Education Requirements	3	As Required
	GE Course	Please General Education Requirements	3	As Required
Trimester 7 & 8				
✓	Course number	Course Name	Credits	Prerequisite
	GAM415	Level Design 2	3	GAM355
	GAM480	Game Studio 1	3	Instructor Approval
	SWE447	GUI and Graphics Programming	3	CS285
	GE Course	Please General Education Requirements	3	As Required
	GE Course	Please General Education Requirements	3	As Required
	GAM485	Game Studio 2	3	Instructor Approval
	Elective	Elective or Internship	3	As Required
	SWE449	Tools Programming	3	CS100 and DAA240
	GE Course	Please General Education Requirements	3	As Required

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