

Undergraduate Program Requirements

Interactive Arts & Media Program Requirements

Currently displaying program requirements for academic year: UNDG 2011-2012 ▼

Game Programming UG 2011

62 CREDITS REQUIRED TO COMPLETE THIS MAJOR - Major requirements & credits waived by the department must be substituted with additional IAM credits. Students are required to earn a "C" or better in all major courses.

GAME DESIGN-PROGRAMMING

15 CREDITS

IAM CORE REQUIREMENTS

Courses: 5/5

Course	Title	Credits	Grade
36-1300	Digital Image Design	3	C
36-1501	Introduction to Programming: Theory and Concepts	3	C
36-1000	Media Theory and Design 1	3	C
36-2000	Media Theory and Design 2	3	C
36-2601	Authoring Interactive Media	3	C

15 CREDITS - In addition to Game Culture and Intro to Game Development, students are required to take either Large Team Game Project AND Large Team Game Studio OR Small Team Game Project AND Small Team Game Studio.

GAME DESIGN REQUIREMENTS

Courses: 4/6

Course	Title	Credits	Grade
36-1100	Game Culture	3	C
36-1500	Introduction to Game Development	3	C
36-3997	Large Team Game Project	3	C
OR 1 of the following:			
	36-3994 Indie Team Game Project	3	C
36-3998	Large Team Game Studio	6	C
OR 1 of the following:			
	36-3995 Small Team Game Studio	6	C

32 CREDITS

PROGRAMMING REQUIREMENTS

Courses: 10/10

Course	Title	Credits	Grade
36-1200	Computer Architecture	3	C
56-2730	Numerical and Mathematical Modeling	4	C
36-2550	C++ Programming I	3	C
36-3500	Programming for Games	3	C
36-2551	C++ Programming II	3	C

56-2850	Physics for Game Developers	3	C
	OR 1 of the following:		
	56-2686 Biomechanics: The Biology and Physics of Sports*	3	C
56-3740	Linear Algebra	4	C
	OR 1 of the following:		
	56-2721 Calculus II*	4	C
36-2210	Game Engine Programming	3	C
36-3210	Game Engine AI	3	C
	OR 1 of the following:		
	36-2510 Engine-Based Design I*	3	C
36-3250			C
	OR 1 of the following:		
	36-3520 Programming Data Design	3	C

This page displays information from the OASIS Catalog.

The OASIS system is maintained by the IT department. Program requirement records are maintained by the associate deans in each of their respective schools.