

Undergraduate Program Requirements

Interactive Arts & Media Program Requirements

Currently displaying program requirements for academic year: UNDG 2017-2018 ▼

GAME PROGRAMMING BS 2017

73 CREDITS REQUIRED TO COMPLETE THIS BACHELOR OF SCIENCE MAJOR. - The Game Programming BS is designed for students interested in becoming game software engineers. Students are required to earn a "C" or better in all major and minor courses.

GAME PROGRAMMING

INTERACTIVE MEDIA 12cr

Courses: 4/4

Course	Title	Credits	Grade
36-1010	Fundamentals of Interaction	3	C
36-1300	Digital Image Design	3	C
36-1501	Introduction to Programming	3	C
36-1601	Authoring Interactive Media	3	C

IAM GAME COURSES 30cr

Courses: 10/10

Course	Title	Credits	Grade
36-1100	Game Culture	3	C
36-1500	Introduction to Game Development	3	C
36-2550	C++ Programming I	3	C
36-2551	C++ Programming II	3	C
36-2600	Object Oriented Programming	3	C
36-2110	Interface Design I	3	C
36-3270	Game Programming	3	C
36-3210	Game AI Programming	3	C
36-3200	Graphics Application Programming	3	C

OR 1 of the following:

36-2210	Game Engine Programming	3	C
36-3650	Studio Collaboration	3	C

OR 1 of the following:

36-3690	McCarthy Technologies Bootcamp	3	C
----------------	---------------------------------------	----------	----------

MATHEMATICS COURSES 22cr

Courses: 6/6

Course	Title	Credits	Grade
56-2720	Calculus I	4	C

56-2721	Calculus II	4	C
56-3700	Discrete Mathematics	3	C
56-3730	Numerical Analysis	4	C
56-3740	Linear Algebra	4	C
56-2830	Fundamentals of Physics I	3	C

9 CREDITS - Students are required to take 36-3997 AND 36-3998, OR 36-3994 AND 36-3995:

CAPSTONE 9cr Courses: 2/2

Course	Title	Credits	Grade
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 Indie Team Game Studio	6	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.