GAME DEVELOPMENT, BS

Campus: NYC, Westchester

Requirement	Credits
University Core Requirements	44-54
Major Requirements	55-63
Open Electives	1-12
Total Credits	**120**

UNIVERSITY CORE REQUIREMENTS (44-54 CREDITS)

See complete University Core (https://catalog.pace.edu/undergraduate/university-core-curriculum/) requirements.*

*Students pursuing a BS in Game Development are required to complete CS 121 Introduction to Computer Science from the Foundation Requirements.

MAJOR REQUIREMENTS (55-63 CREDITS)

Code	Title	Credits
Game Development Core Required Courses (31 credits) [1]		
CIS 151	Game Development for Everyone	3
CS 255	Game Development Patterns and Algorithms	4
CS 256	Game Design and Prototyping	4
CS 355	Advanced Topics in Game Development	4
CS 356	Mobile Game Development and Publishing	4
CS 357	Augmented Reality (AR), Virtual Realtiy (VR), and the Metaverse	4
CS 455	Game Engine Architecture	4
CS 456	Game Development Capstone	4
Computer Science Core Required Courses (12 credits) [1]		
CS 113	Mathematical Structures for Computer Science	4
CS 121	Introduction to Computer Science [2]	4
CS 122	Object-Oriented Programming	4
CS 241	Data Structures and Algorithms	4
Related Computing Electives (6-8 credits)		
Two (2) 300 level or higher Computer Science courses.		
CS Elective 1		
CS Elective 2		
Interdisciplinary Track (9-12 credits)		
Three courses from one track in Liberal Arts and Science (below):		
Communication and Media Studies Track (Choose 3 courses)		
CMS 113, CMS 226, CMS 228, CMS 244, CMS 291, CMS 296B		
Writing/English Track (Choose 3 courses):		
ENG 223, ENG 224, ENG 317, ENG 326F		
Film and Screen Studies Track (Choose 3 courses):		
FSS 203, FSS 215, FSS 237, FSS 317, FSS 323		
Literature Track (Choose 3 courses):		
LIT 213C, LIT 340, LIT 387D		
Math Track (Choose 3 courses):		
MAT 131, MAT 132, MAT 236, MAT 238, MAT 303		
Media and Communication Arts Track (Choose 3 courses):		
MCA 112, MCA 220, MCA 226, MCA 276, MCA 350		

[1]   Students must earn a grade of C or better in each prerequisite core.

2   Course is taken as part of the University Core Requirements.

OPEN ELECTIVES (1-12 Credits)

Code	Title	Credits
Open Electives		
Select 1-12 credits		
Total Credits		**1-12**