

Game Simulation Programming

(PROGRAM #8208300)

The Game Simulation Programming pathway focusses on broad transferrable skills and stresses understanding and demonstration of the game and simulation industry: production planning, elements of production design, elements of visual design, integration of digital audio and digital video, and programming for single and multi-user environments.

Students in this pathway will participate in the following Career Technical Student Organization(s) (CTSO). BPA

SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

PROFESSIONAL CAREER CERTIFICATIONS*

Industry Certification Title	CAPE college credits	Graduation online course requirement	Math/Sci Waiver (non-EOC)
Microsoft Office Bundle	3 credits	YES	YES
Microsoft Office Specialist Bundle	3 credits	YES	YES
Adobe Certified Associate Dreamweaver	3 credits	YES	YES
Adobe Certified Associate Flash	3 credits	YES	YES
CIW Web Design Specialist	3 credits	YES	YES
CIW Database Design Specialist	3 credits	YES	YES
CIW JavaScript Specialist	3 credit	YES	YES
Adobe Photoshop CC	n/a	YES	NO
Adobe Illustrator	n/a	YES	NO

POST SECONDARY OPTIONS

Options	Pathway	Career**	Avg. Salary**
COLLEGE / UNIVERSITY ENROLLMENT	Game development BS Computer programming and analysis AS	Video game designer Senior graphic designer Senior Animator	\$87,836 \$59,794 \$86,723
REGISTERED APPRENTICESHIP	N / A	N / A	N / A
WORKFORCE	IT Industry	Technical support Senior game advisor Graphic designer	\$18.00 / hr \$9.06 / hr \$20.74 / hr

COLLEGE SCHOLARSHIPS

<p>Florida Gold Seal Vocational Scholars (GSV)</p> <p>Funds 2-year programs: Technical College certificate or State College degree</p>	<p>The Florida Gold Seal Vocational Scholars (GSV) can be used to fund a career education or certificate program at a Technical or State College.</p> <p>To earn this scholarship students must:</p> <ul style="list-style-type: none"> • Complete 3 credits within a single pathway • 3.0 weighted core GPA • 3.5 unweighted GPA in the pathway courses • Minimum college ACT, SAT, or PERT scores <p>Click here to see the full eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf</p>
<p>Florida Gold Seal CAPE Scholars (GSC)</p> <p>Funds a 2+2 bachelor's degree (BS or BAS)</p> <p>2-year program at Technical College or State college EST. VALUE \$6,293</p> <p>2 year BS program at a Florida University EST. VALUE \$12,763</p>	<p>The Florida Gold Seal CAPE Scholars award (GSC) can be used to fund a career education or certificate program.</p> <p>To earn this scholarship students must:</p> <ul style="list-style-type: none"> • Pass Industry Certification exam(s) equaling 5 or more college credits • Document a minimum of 30 service hours <p>Click here to see the full GSC eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf</p> <p>Click here to see Industry Certification awarded college credits: http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml</p>

SCHOOLS OFFERING THIS PATHWAY

High Schools:	Coral Glades Coral Springs Hollywood Hills Lauderhill 6-12 McArthur	Monarch Piper Pompano Beach South Broward South Plantation
Middle Schools:	Any school that offers the Digital Information Technology high school course	

COURSE PROGRESSION

Course	Course #	Teacher Certification
Digital Information Technology (practical art)	8207310	BUS ED 1 COMPU SCI
Game & Simulation Design	8208120	
Game & Simulation Programming (honors)	8208330	
Multi-User Game & Simulation Programming (honors)	8208340	

CAREER PATHWAY DUAL ENROLLMENT OPPORTUNITIES

Broward College Eligibility Requirements	<ul style="list-style-type: none"> • 2.5 unweight GPA • 3.0 Career Pathway GPA • Complete 3 pathway courses
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TECHNICAL CERTIFICATE	COURSES	TECHNICAL CERTIFICATE
Broward College:	IN DEVELOPMENT	IN DEVELOPMENT

*Industry certifications offered may vary by school.

**Salary data collected from Indeed.com, 04/2017

CONTACT INFORMATION

Broward County Public Schools: Career, Technical, Adult and Community Education
754-321-8400 www.BrowardSchools.com CTACE@BrowardSchools.com

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