Game Simulation Programming
(PROGRAM #8208300)

The Game Simulation Programming pathway focuses 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

PROFESSIONAL CAREER CERTIFICATIONS*

Industry Certification Title	CAPE college credits	Graduation online course requirement	Math/Sci Waiver (non-EOC)
Microsoft Office Specialist	N/a	YES	N/A
Microsoft Office Specialist Master	N/A	YES	N/A
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

Florida Gold Seal Vocational Scholars (GSV) Funds 2-year programs: Technical College certificate or State College degree	The Florida Gold Seal Vocational Scholars (GSV) can be used to fund a career education or certificate program at a Technical or State College. To earn this scholarship students must: • 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 Click here to see the full eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf
Florida Gold Seal CAPE Scholars (GSC) Funds a 2+2 bachelor's degree (BS or BAS)	The Florida Gold Seal CAPE Scholars award (GSC) can be used to fund a career education or certificate program. To earn this scholarship students must: • Pass Industry Certification exam(s) equaling 5 or more college credits • Document a minimum of 30 service hours Click here to see the full GSC eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf Click here to see Industry Certification awarded college credits: http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml

SCHOOLS OFFERING THIS PATHWAY

High Schools:	Blanche Ely 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 arts) Game & Simulation Design Game & Simulation Programming (honors) Multi-User Game & Simulation Programming (honors)	8207310 8208120 8208330 8208340	BUS ED 1 COMPU SCI

CAREER PATHWAY OPPORTUNITIES

CTE pathways offer students opportunities to continue their education after high school. Dual Enrollment pertains to students taking college courses while enrolled in high school. Articulation agreements allow students to earn college credit for CTE courses and industry certifications earned in high school.

Workplace Experience	CTE students have the opportunity to complete a pre-professional learning experience the summer after 11th grade in their chosen field of study or career interest. www.browardschools.com/CTACE
Broward Technical Colleges	Students who have passed courses in a high school CTE program or earned an Industry Certification can apply those credits to the aligned postsecondary program. Contact a BTC Counselor for more information or follow the link to see how you can save time and money when you attend a Broward Technical College. http://www.browardtechnicalcolleges.com/articulation-agreement
Broward College	Students who complete a CTE pathway or earn an Industry Certification that aligns with Broward College's Associate of Science degree programs can earn FREE college credit. www.broward.edu/academics/cpl/pages/high-school.aspx

*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

SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

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