

Java Development & Programming

(PROGRAM #9007200)

The Java Development & Programming pathway provides students with the technical skills to work and program many large-scale business applications that fuel the internet economy. Students learn to program a wide variety of portable electronics, from smart phones to embedded systems in a rapidly expanding number of consumer products.

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

PROFESSIONAL CAREER CERTIFICATIONS*

Industry Certification Title	CAPE college credits	Graduation Online Course Requirement	Math/Sci Waiver (non-EOC)
Microsoft Office Specialist	3 credits	YES	YES
Microsoft Office Specialist Master	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 credits	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	Computer Engineering BS Computer Programming & Analysis AS	Software engineer Programmer analyst Web developer	\$100,535 \$67,816 \$77,893
REGISTERED APPRENTICESHIP	N / A	N / A	N / A
WORKFORCE	IT Industry	Technical support IT service	\$18.00 / hr \$16.37 / 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>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 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:	Cypress Bay Dillard 6-12 Everglades Charles W. Flanagan McArthur Miramar Northeast Nova	Piper Plantation Marjory Stoneman Douglas Stranahan J. P. Taravella West Broward Western
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 COMP SCI
Foundations of Programming (honors)	9007210	
Procedural Programming (honors)	9007220	
Object-Oriented Programming Fund (honors)	9007230	
Java Programming Essentials (honors)	9007240	
Applied Object-Oriented Java Prog. (honors)	9007250	
Java Database Programming (honors)	9007260	
Java Programming Capstone (honors)	9007270	

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 11 th grade in their chosen field of study or career interest. www.academics.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

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