



BUSINESS & MARKETING PATHWAY PROGRAM FACT SHEET

Computer Programming

Program Description

Computer Programming involves understanding programming language concepts and how they are applied to problem solving. Students will learn basic programming concepts and methods.

Curriculum

Students will gain the following knowledge and skills:

- ▶ Career opportunities in the field
- ▶ Understand the fundamentals of a program-compiling environment
- ▶ Utilize the three-step process of building computer applications
- ▶ Utilize peer and team problem solving techniques
- ▶ Understand debugging strategies
- ▶ Develop critical thinking skills

Recommended Classes

9 th Grade	Information Technology or Information Technology-Honors Standard Algebra 1-2
10 th or 11 th Grade	Standard Algebra 3-4 Web Site Development
11 th or 12 th Grade	Business Communications Computer Program Design 1-2

Student Leadership Organization

FBLA (Future Business Leaders of America) – an association of students preparing for careers in business and business-related fields, featuring career and leadership development.

College Credit (Tech Prep, AP, etc.)

High School Class	Type of College Credit	# of Credits	Fee
IT or IT Honors	Tech Prep	5	No
Web Site Development	Tech Prep	5	No
Computer Program Design	Tech Prep	5	No

Employment Outlook

Job Title	Median Full-time Salary	Local Projected Growth			
		2002	2012	Change	% Change
Programmer	\$78,810	12,677	16,183	3,506	+27.7%
Software Applications Engineer	\$82,450	16,573	21,096	4,523	+27.3%
Database Administrator	\$79,100	2,017	2,262	245	+12.1%
Computer Scientist	\$111,155	410	556	146	+35.6%

Source for salary and growth projections: Washington State Employment Security Department. King County data and projections used when available. www.workforceexplorer.com

Program Contacts

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For more information on careers, visit your high school Career Center.

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