

Information Technology

A Program of Study within the Edmonds School District



This Program of Study is connected to the following field(s):

- Arts and Communications
- Business and Marketing
- Engineering and Technology
- Health and Human Services
- Science and Natural Resources

This Program of Study reinforces the following Academic Skills:

- Reading
- Writing
- Mathematics
- Science
- Visual Arts
- Health/Fitness

Description

The Information Technology program of study introduces students to the high demand fields of computer programming, software development, interactive media, and technical support. Students learn to write computer programs using the JAVA programming language; develop character modeling skills using MAYA Animation software; apply skills in HTML, JavaScript, Flash, and Digital imaging to create user-friendly web pages; and gain skills needed to provide computer maintenance and support. In addition, coursework in this program provides preparation for the AP Computer Science exam as well as recognized industry credentials such as COMPTIA A+ certification.

Program of Study Courses (2.0 credits from the following)

Courses within this Program of Study and the schools where they are available are listed below. Courses with an (ID) designation are Intradistrict Course available to all district Juniors and Seniors. Courses with two or more subject areas listed are Equivalency Courses which can satisfy more than one subject requirement. [For information about Equivalency Courses, click here.](#)

Course(s)	Credits	Subject Area(s)	EW	LH	MD	MT	SL
COM190 Computer Programming	.5	CTE, Math	■		■		
COM205 Computer Programming, Advance	.5	CTE, Math	■		■		
COM206 Computer Programming, AP	1.0	CTE, Math		■			
COM223 Computer Animation	1.0	CTE, Art	■	■	■	■	
COM581 Computer Repair/Networking	1.0	CTE	■				
COM527 Computer Tech Support	1.0	CTE	■				
COM481 Web Authoring	1.0	CTE	■		■	■	

Post-High School Training Connections

The following courses are articulated for college credit with programs at Edmonds Comm. College (EdCC), Lake Washington Tech. College (LWTC), Bellevue Comm. College (BCC), and Cascadia Comm. College (CCC). College credits and courses which may be earned are listed below.

HS Course	Credits	College	College Courses Earned
COM481 Web Authoring	5	BCC	BTS189
COM481 Web Authoring	5	CCC	BIT112
COM581 Computer Repair/Networking	10	EdCC	CIS125, 161
COM223 Computer Animation	5	EdCC	CMPSC194
COM481 Web Authoring	5	EdCC	VISCO115
COM481 Web Authoring	9	LWTC	ITAD112, MMDP133
COM223 Computer Animation	4	LWTC	MMDP124

Occupational Information

The following represent occupations within this field and their average annual earnings and openings based on data from the Washington State Employment Security Department. For more information about these and other occupations within this field, go to www.wois.org.

Occupations	Openings	Earnings
Computer Software Engineers, Applications	1171	\$87,041 yr.
Computer Programmers	742	\$81,278 yr.
Computer Software Engineers, Systems Software	585	\$91,882 yr.
Computer Support Specialists	524	\$45,942 yr.
Computer Systems Analysts	444	\$76,972 yr.
Network and Computer Systems Administrators	301	\$72,987 yr.
Computer and Information Systems Managers	225	\$119,543 yr.
Web Developer	220	\$43,686 yr.

For more information about this Program of Study, contact the Instructor or your School Counselor or Career Center Specialist