

# Drafting and Architectural Design

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 Drafting and Architectural Design program of study prepares students for the exciting and growing fields of Architectural, Civil, and Structural drafting and engineering. Students in the drafting program will work with industry tools and software in a design studio to complete challenging projects that involve design, blueprint development, model-making, and presentations to industry professionals. Advanced students from this program consistently place in regional, state, and international competitions, are selected for industry internships in architectural and engineering firms, and qualify for college scholarships.

## 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
IAR221 Drafting (1st Year)	1.0	CTE, Art, Math	■	■	■	■	
IAR226 Drafting (2nd Year)	1.0	CTE, Art, Math			■		
IAR231 Drafting (2nd Year)	1.0	CTE, Art, Math	■			■	
VOC211 Architectural Drafting (ID-EWHS)	2.0	CTE, Art, Math	■	■	■	■	■
HEC461 Interior Design	1.0	CTE, Art	■	■	■	■	

## Post-High School Training Connections

The following courses within this program of study are articulated for college credit with the Engineering Graphics program at Lake Washington Technical College (LWTC). College credits and courses which may be earned are listed below.

HS Course	Credits	College	College Courses Earned
IAR226 Drafting (2nd Year)	8	LWTC	ENGT131, 132
IAR231 Drafting (2nd Year)	4	LWTC	ENGT132
IAR221 Drafting (1st Year)	8	LWTC	ENGR111, 131
IAR221 Drafting (1st Year)	5	SCC	ENGR101

## 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](http://www.wois.org).

Occupations	Openings	Earnings
Civil Engineers	583	\$74,487 yr.
Engineering Managers	253	\$124,329 yr.
Mechanical Engineers	242	\$80,520 yr.
Architects	199	\$68,612 yr.
Architectural and Civil Drafters	183	\$55,161 yr.
Civil Engineering Technicians	99	\$50,918 yr.
Mechanical Drafters	84	\$54,727 yr.
Surveyors	64	\$66,588 yr.

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