

Career and Technical Education Update

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ISSAQUAH
SCHOOL DISTRICT 411

Purpose

Provide updates on the following:

- Aerospace Manufacturing
- Industry Recognized Credentials (certifications)
- CTE program distribution
- Discussion & Questions



Demand Data

Job Title	Employment demand through 2033 (ESD.wa.gov)	Median Annual Wages (ESD.wa.gov)
Lawyer	↑ .56%	\$175,288
Animator	↑ 1.6%	\$99,800
Video Game Developer	↑ 15.8%	\$126,960
Investment Banker	↑ 1.8%	\$159,208
Doctor	↑ .57%	\$232,183
Aerospace Engineer	↑ .22%	\$164,133

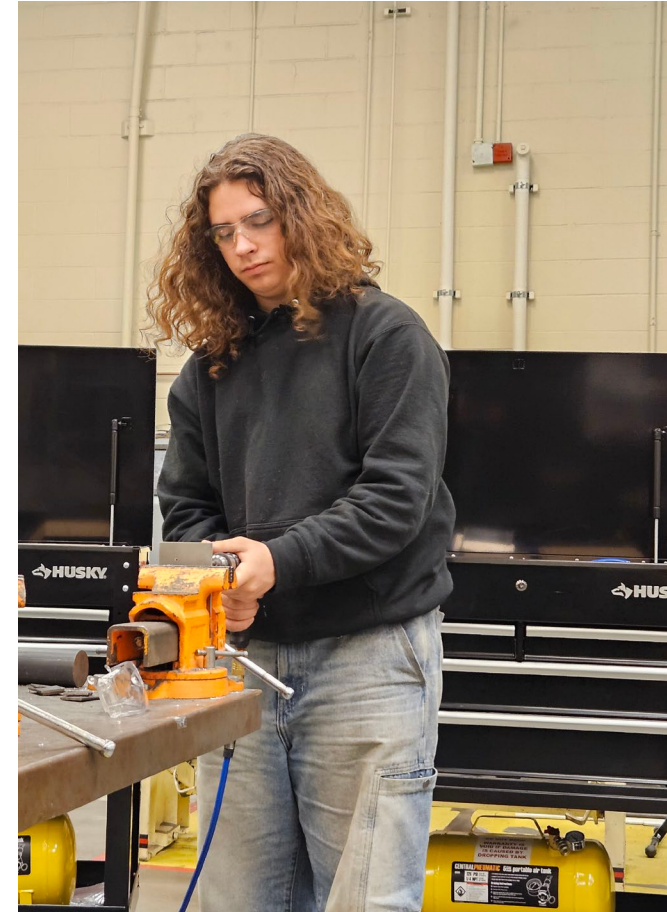
Aerospace Manufacturing- Core plus

- Inaugural class has twelve 11th and 12th graders
- Course Details:
 - 3 hours per day
 - Students earn:
 - 1.0 Lab science credit through Materials Science and Applied Physics
 - 1.0 3rd year math
 - 1.0 English language arts elective (technical writing)

Aerospace Manufacturing – Core Plus

- *My Plan is to become an engineer. This class is helping me see the manufacturing and hands-on side of that work. I understand the math better because I can apply the learning in context of the work.*

Matt van Lew, 11th grade, Issaquah High



- *I am interested in becoming a pilot. I took this class because it was related to aviation. I have enjoyed learning to use the manufacturing equipment.* Malina Aceveda, 12th grade Liberty High
- *I took this class to gain some insight into the engineering field. This class really helped develop my precision measurement skills, which will be helpful in my future career.*
Dylan Belsky, 12th grade, Gibson Ek
- *I took this class to explore potential career opportunities in manufacturing or building construction. I have learned more about precision measurement and my confidence in using these power tools has grown.* Evan Burns, 11th grade, Liberty High

Industry Recognized Credentials (Certifications)

Top 20 Credentials in King County

Bold = Could be issued in HS

Yellow = Currently offered

Certification Title	# of Job postings	Rank
Valid Driver's License	3091	1
Basic Life Support (BLS) Certification	1018	2
Registered Nurse (RN)	946	3
Cardiopulmonary Resuscitation (CPR) Certification	803	4
Master Of Business Administration (MBA)	561	5
Food Handler's Card	529	6
First Aid Certification	487	7
Security Clearance	341	8
Advanced Cardiovascular Life Support (ACLS) Certification	256	9

Certification Title	# of Job postings	Rank
Project Management Professional Certification	242	10
Nurse Practitioner (APRN-CNP)	225	11
Licensed Practical Nurse (LPN)	205	12
Certified Nursing Assistant (CNA)	204	13
Commercial Driver's License (CDL)	168	14
Board Certified/Board Eligible	148	15
Bachelor Of Science in Nursing (BSN)	143	16
Professional Engineer (PE) License	137	17
Automotive Service Excellence (ASE) Certification	130	18
Certified Public Accountant	124	19
Pediatric Advanced Life Support (PALS)	124	20

Industry Recognized Credentials Offered

Arts, Entertainment and Design	Healthcare & Human Services	Education	Digital Technology	Advanced Manufacturing	Hospitality, Events and Tourism
Adobe Certified Professional- Photoshop	American Heart Association Heartsaver CPR & First Aid	ParaPro Certification	Computational Thinking	Fusion Certified User	WA State Food Handler Card
			Python		
Unity Certified User - Programmer	American Heart Association or Red Cross Basic Life Support (BLS)		Java	OSHA 10 Hour General Safety Certification	ServSafe Certified Food Manager
			Cybersecurity		
			HTML & CSS (Webpage formatting)		

CTE Courses offered by Career Cluster

Skyline High Feeder Pattern

Pine Lake Middle	Beaver Lake Middle
Construction	Advanced Manufacturing
	Digital Technology
Skyline High	
Digital Technology	Marketing and Sales
Education	Healthcare and Human Services
Public Service and Safety	Advanced Manufacturing
Arts, Entertainment and Design	Financial Services

More information on new career cluster organization: <https://careertech.org/career-clusters/>

Issaquah High Feeder Pattern

Issaquah Middle	Cougar Mountain Middle
Advanced Manufacturing	Advanced Manufacturing
Supply Chain and Transportation	Digital Technology
	Supply Chain and Transportation
Issaquah High	
Digital Technology	Marketing and Sales
Healthcare and Human Services	Construction
Advanced Manufacturing	Hospitality, Events & Tourism
Arts, Entertainment & Design	Financial Services
Education	

Liberty High Feeder Pattern

Maywood Middle	Cougar Mountain Middle
Advanced Manufacturing	Advanced Manufacturing
Digital Technology	Digital Technology
Hospitality, Events & Tourism	Supply Chain and Transportation
Liberty High	
Digital Technology	Marketing & Sales
Education	Healthcare & Human Services
Construction	Advanced Manufacturing
Supply Chain & Transportation	Hospitality, Events & Tourism
Arts, Entertainment & Design	Financial Services

Questions and Discussion

