

Graduate Follow-up Study Class of 2011 and 2012

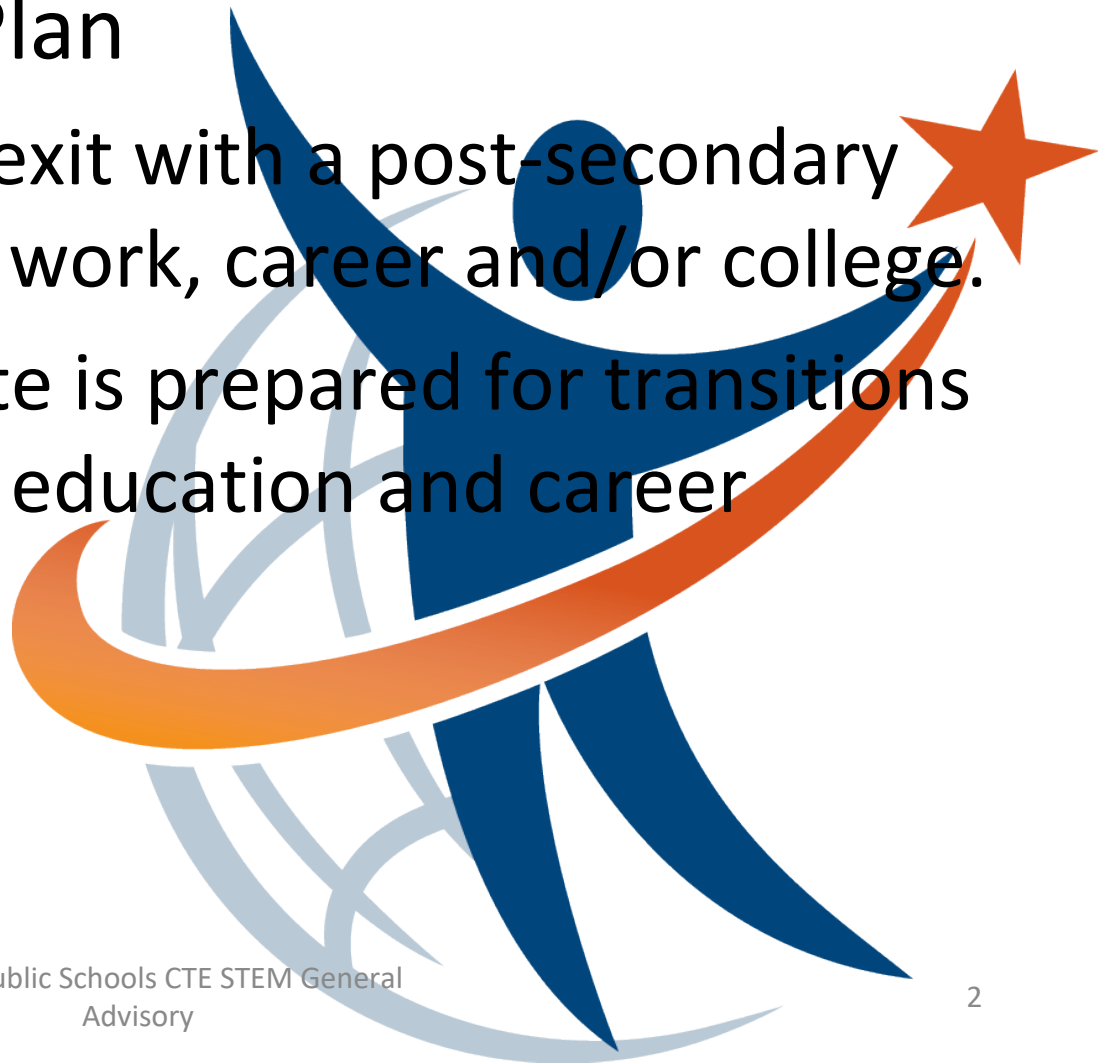
Report for Everett Public Schools Career and
Technical Education STEM General Advisory Board

November 14, 2013

Strategic Priorities

District Strategic Plan

- 1.1.b All students exit with a post-secondary transition plan for work, career and/or college.
- 5.4.b Each graduate is prepared for transitions to post-secondary education and career choices.



Defining Post-secondary Readiness

Career ready = College ready

Students are *eligible, prepared* and *qualified* to earn their first post-secondary credential with value in the marketplace.

- Graduates reach a self-sufficiency standard.
- 100% of graduates are prepared for post-secondary training with no remediation.
- Post-secondary training includes
 - 4-Year College
 - 2-Year College
 - Technical/Vocational College
 - Military
 - Apprenticeship Programs



Prepared for Post-secondary Pathways

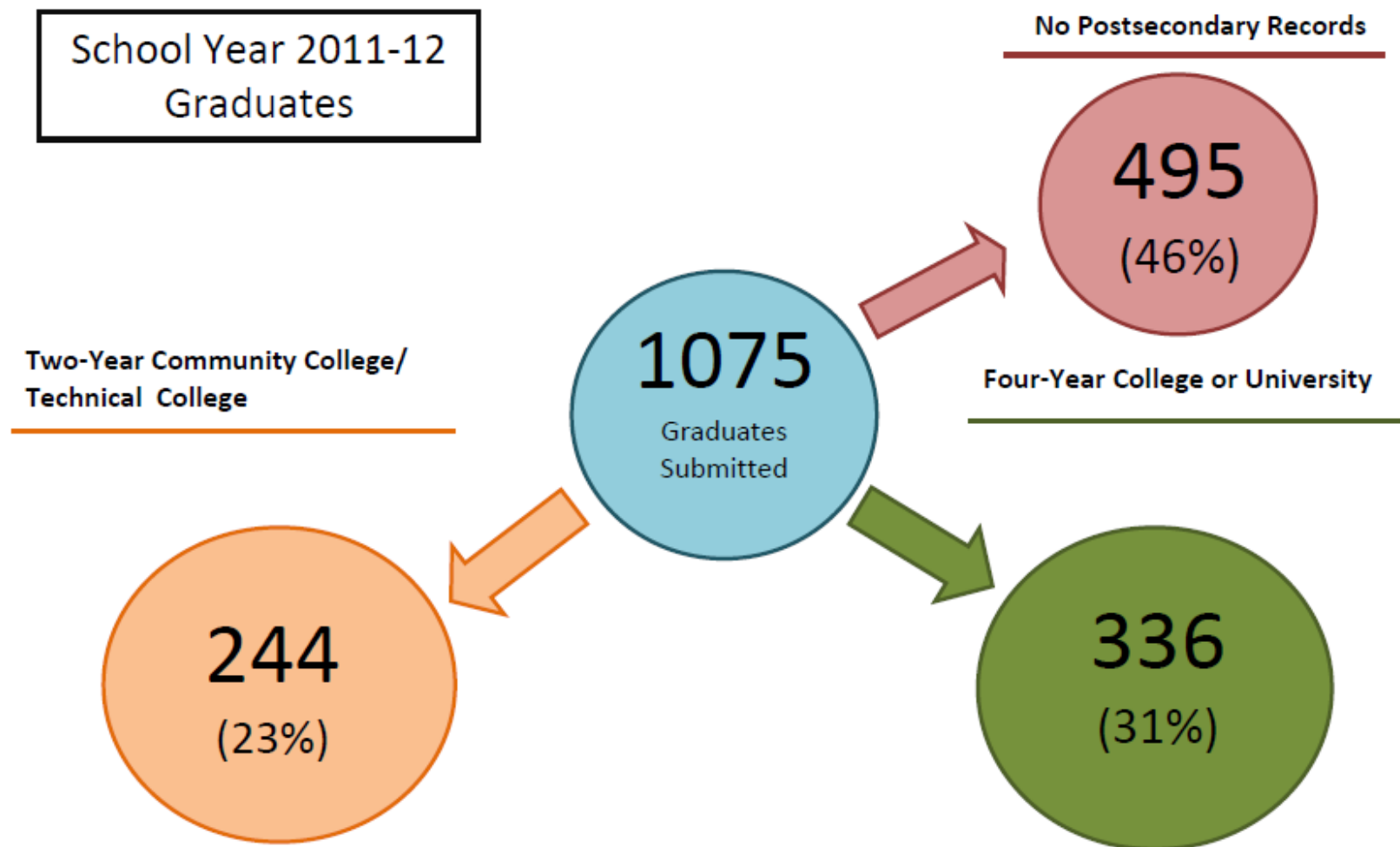
College Math Placement Test (CMPT)

- Partnership with Everett Community College
- Inform students of their college math preparedness
- Scores indicate levels of preparedness
 - 17 = MTH107 (basic college-level course)
 - 22 = Pre-calculus (STEM field level course)

2011-2012 School Year CMPT Administration

Total Students	Pre-Calculus Qualified	MTH 107 Qualified	Remedial Level
1650	508 (31%)	607 (37%)	535 (32%)

Post-secondary Pathways



Note: The National Student Clearinghouse counts graduates as those graduated during the academic year (9/1 – 8/31) regardless of Federal Graduation Year. Graduates could include early, on-time and extended graduation.

Source: National Student Clearinghouse Student Tracker for High Schools Aggregate Report, Effective Date 2012 0408

Post-secondary Pathways

Graduate Follow-up Study Class of 2011

Sample size: 427 graduates surveyed, 80% response rate

Post-secondary Activities	
Continuing schooling	73%
School and work	29%
Work only	14%
Military service	3%
Types of Work	
Wholesale and retail	31%
Restaurant	20%
Manufacturing	8%

Source: Decision Research, Everett School District Graduate Follow-up Study: Class of 2011

Post-secondary Pathways: Student Planning

Graduate Follow-up Study
Class of 2011

Career and college planning services participation	
Class selection and plans of study	54%
Career exploration and planning	30%
Job and college applications	43%
Financial aid and scholarships	46%

When asked “Could you have used more assistance from a counselor/advisor?” 82% reported “Yes.”

- Financial Aid/Scholarships (56%)
- Job/Career Exploration (53%)
- College/Job Applications (47%)
- Course Selection (30%)
- Personal Problems (15%)

Source: Decision Research, Everett School District Graduate Follow-up Study: Class of 2011

Graduate Follow-up Study Class of 2012

Post-secondary Activities	
Continuing education	69%
School and work	29%
Work only	19%
Military service	4%
Post-secondary Education	
4 Year College or University	49%
Community College	44%
Trade or Technical School	4%
Types of Work	
Wholesale and retail	21%
Restaurant	27%
Service Industry	11%
Health Care	7%

Source: Decision Research, Everett School District Graduate Follow-up Study: Class of 2012

Sample size: 438 graduates surveyed, 76% response rate

Post-secondary Pathways: Student Planning

Graduate Follow-up Study
Class of 2012

Career and college planning services participation	
Class selection and plans of study	66%
Career exploration and planning	29%
Job and college applications	42%
Financial aid and scholarships	48%

When asked “Could you have used more assistance from a counselor/advisor?”

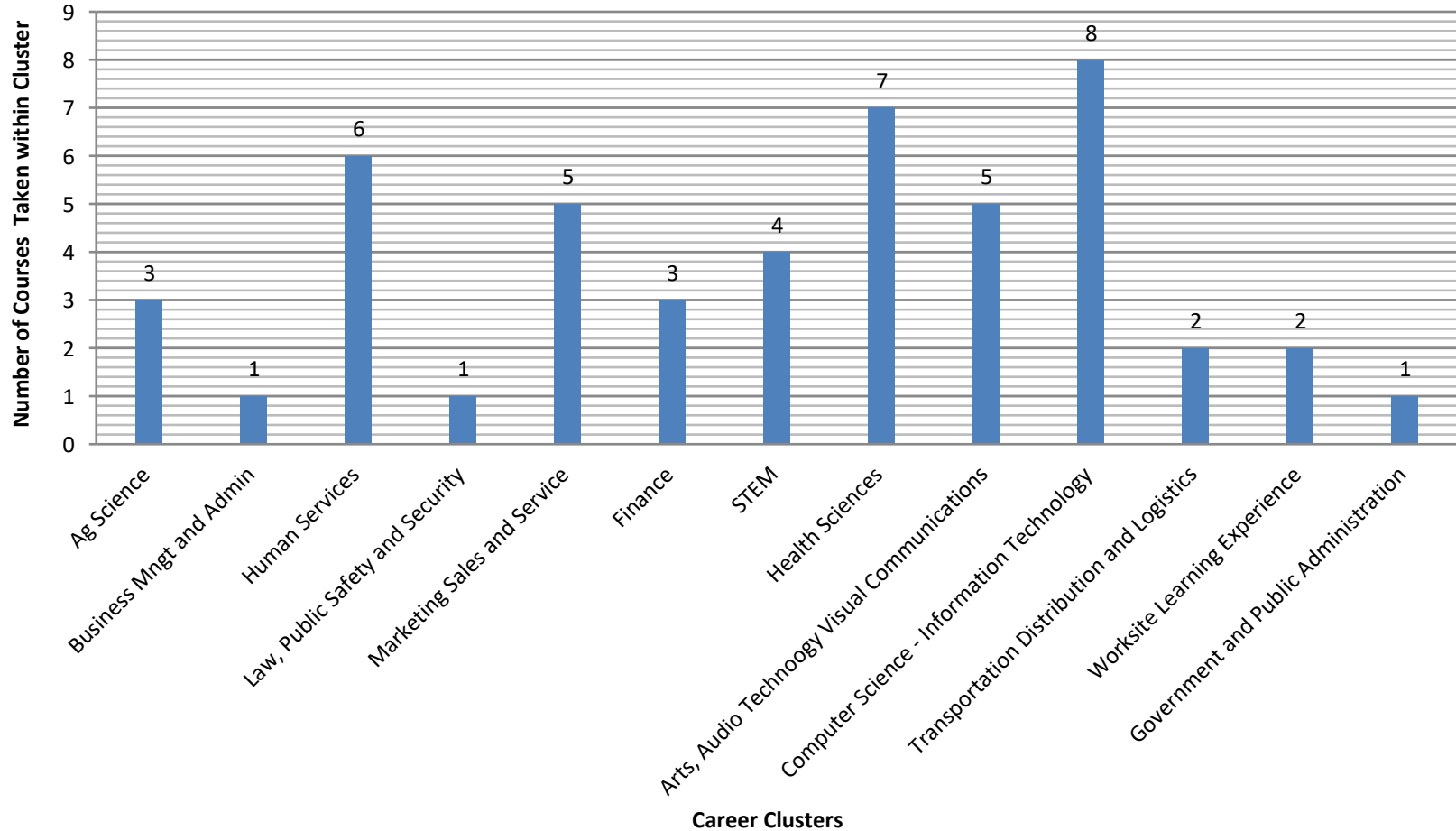
- Financial Aid/Scholarships (48%)
- Job/Career Exploration (29%)
- College/Job Applications (42%)
- Course Selection (66%)
- Personal Problems (28%)

Source: Decision Research, Everett School District Graduate Follow-up Study: Class of 2012

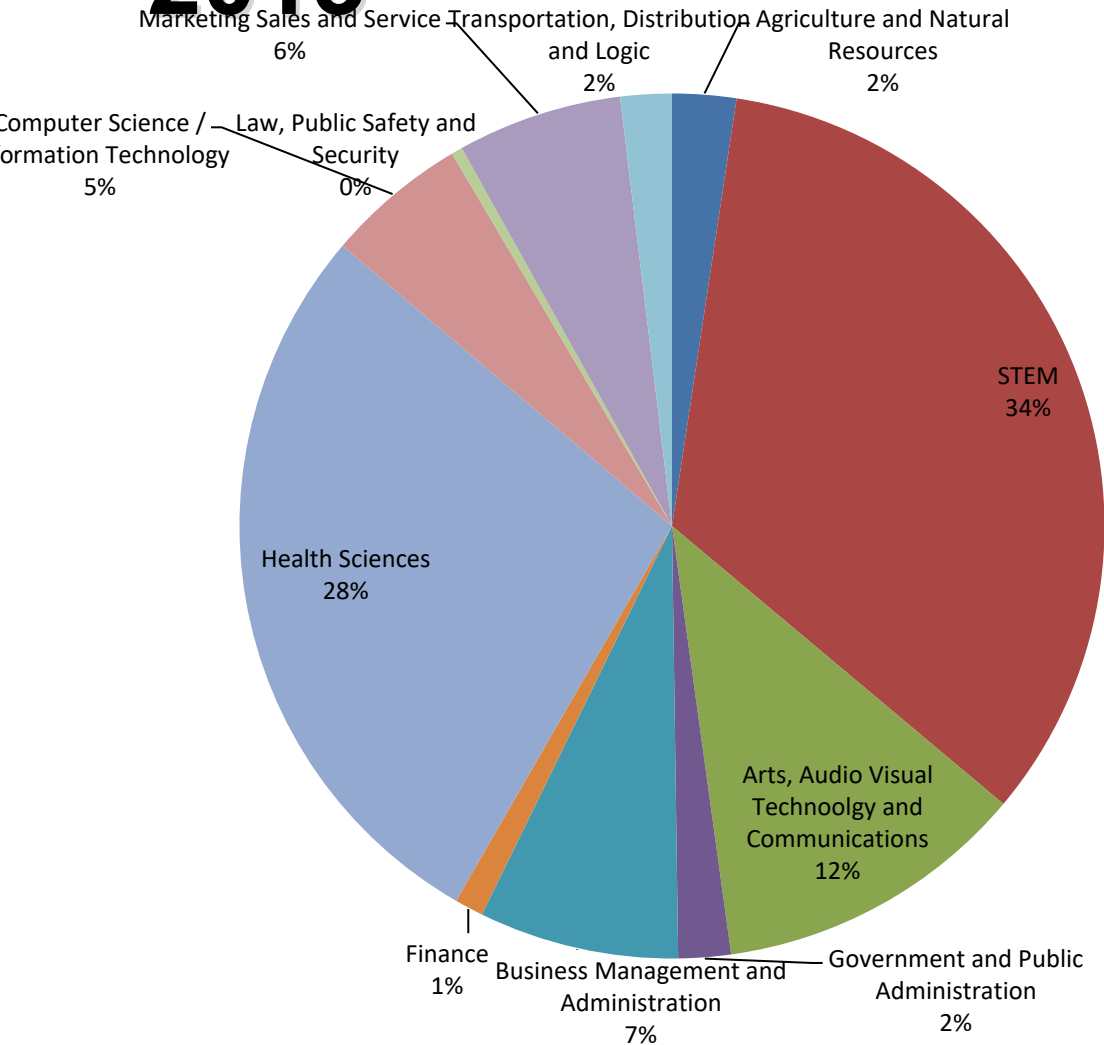
Career Clusters and Courses Taken 2012-2013

Number of students enrolled for 2012 - 2013 school year										
Career Cluster	Courses	CHS		EHS		JHS		SHS		Totals
		1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem	
Agriculture and Natural Resources	AP Environmental Science	19	17							36
	Floriculture I, II, III & IV			107	106					213
STEM	Environmental Systems Design	80	73	30	27	59	29			298
	Tech Foundations / Coordinated Science	395	417	362	362	441	428	44	44	2493
	Physics by Design	140	129	87	79	114	111	14	8	682
	Introduction to Science Research and Engineering					21	20			41
Arts, Audio Visual Technoolgy and Communications	AP Studio Art					10	26			36
	Digital Photography I, II	94	95	123	122	168	168			770
	Graphic Design I, II, III	29	29			48	80			186
	Intro to Graphic Design					28	0			28
	Publications (Yearbook) I, II	20	25			23	23	14	10	115
	Video Productions I, II, III	43	42							85
Government and Public Administration	Naval Junior Reserves Officer Training Corps			102	102					204
Business Management and Administration	Workbase Learning	11	21.6	9.05	31.9	28	24.7	5	8.2	139
	Career Choices	52	50	63	58	44	14	19	19	319
	Senior Seminar (CE)			93	23	135	69			320
Finance	Accounting	24	0	28	0	0	29			81
	Economics					31	0			31
Health Sciences	Family Health	246	236	215	231	213	212			1353
	Intro to Sports Med	60	26			93	31			210
	Sports Med I, II	0	0			0	23			23
	Anatomy and Physiology	57	55							112
	Nutrition I, II	156	153	151	118	61	84	15	16	754
	Child Development	60	60	29	50	32	31	11	18	291
	Independent Living	0	30	26	0	55	49	2	3	165
Computer Science / Information Technology	Computer Applications	56	54	30	31	30	0	8	39	248
	Computer Programming I	27	21	0	0	61	25			134
	UW IT Com Sci Engineering			0	0	0	29			29
	Video Game Design	0	12	0	0	0	41			53
	Web Design	30	0	30	0	27	0			87
Law, Public Safety and Security	Business Law			0	24	0	19			43
Marketing Sales and Service	Adv Marketing	9	0	0	0	13	0			22
	Fashion Merchandise	0	6	0	0	46	18			70
	Intro to Marketing	62	52	61	85	58	53			371
	School Store	16	17	24	28	29	34			148
	Sports/Ent Marketing	0	0	0	0	0	31			31
Transportation, Distribution and Logic	Auto Maintenance	46	21							67
	Auto Technology	41	92							133
	Totals	1773	1733.6	1570.05	1477.9	1868	1701.7	132	165.2	10421.45

Career Clusters and Courses Taken 2012-2013



Career Cluster Enrollment 2012-2013



Career Cluster	Number of students enrolled
Agriculture and Natural Resources	249
STEM	3514
Arts, Audio Visual Technology and Communications	1220
Government and Public Administration	204
Business Management and Administration	778
Finance	112
Health Sciences	2908
Computer Science / Information Technology	551
Law, Public Safety and Security	43
Marketing Sales and Service	642
Transportation, Distribution and Logic	200

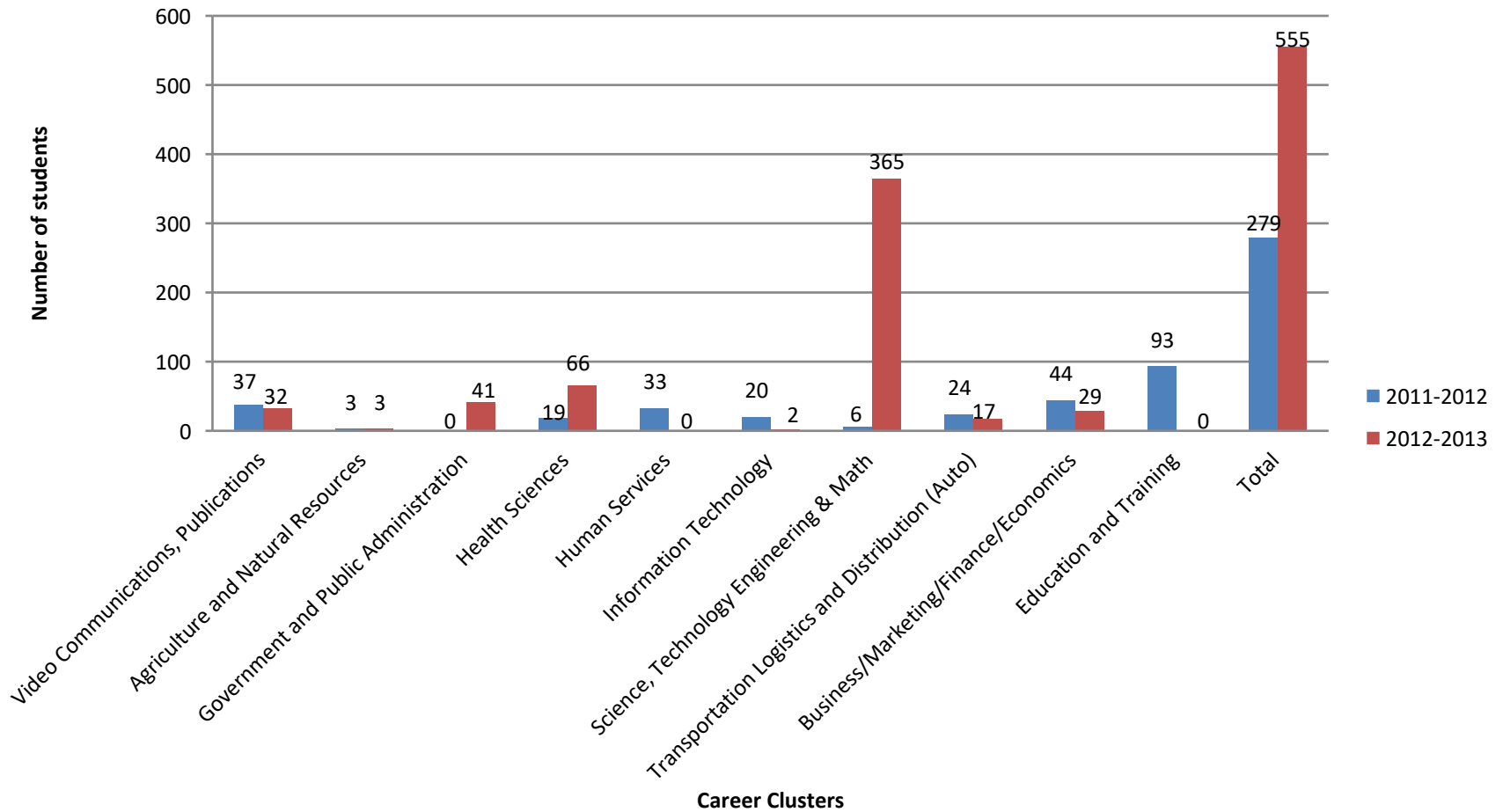
Completer Report

(Students completing 360 hours of sequenced Career and Technical Education classes.)

Career Clusters	2012-2013	2011-2012
Video Communications, Publications	32	37
Agriculture and Natural Resources	3	3
Government and Public Administration	41	0
Health Sciences	66	19
Human Services	0	33
Information Technology	2	20
Science, Technology Engineering & Math	365	6
Transportation Logistics and Distribution (Auto)	17	24
Business, Marketing, Finance and Economics	29	44
Education and Training	0	93
Total	555	279

Completer Report

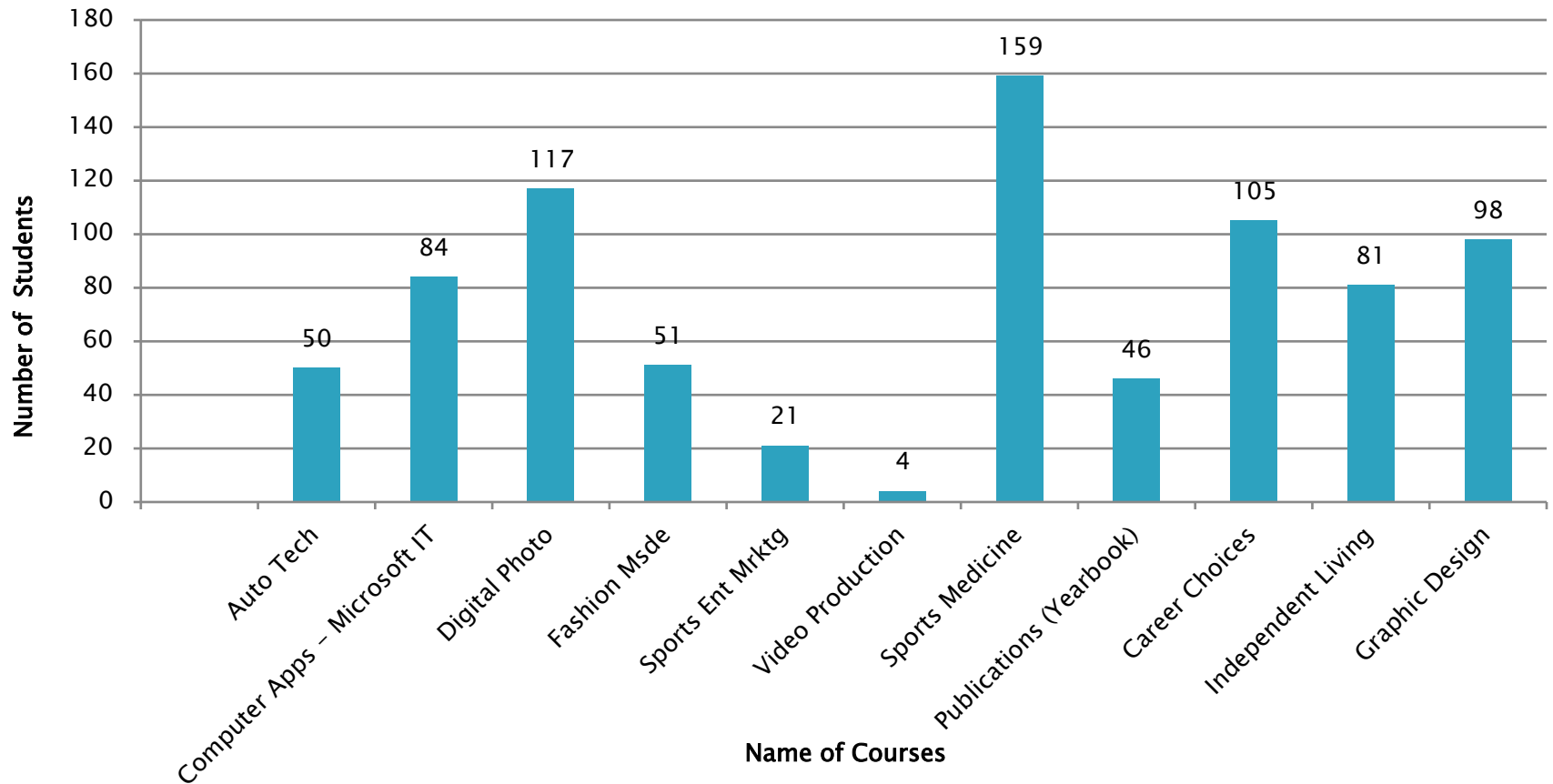
(Students completing 360 hours of sequenced Career and Technical Education classes.)



Class of 2013 Graduates

816 Earned Tech Prep Credit

(Must have earned a B or better for college credit)



Industry Certifications

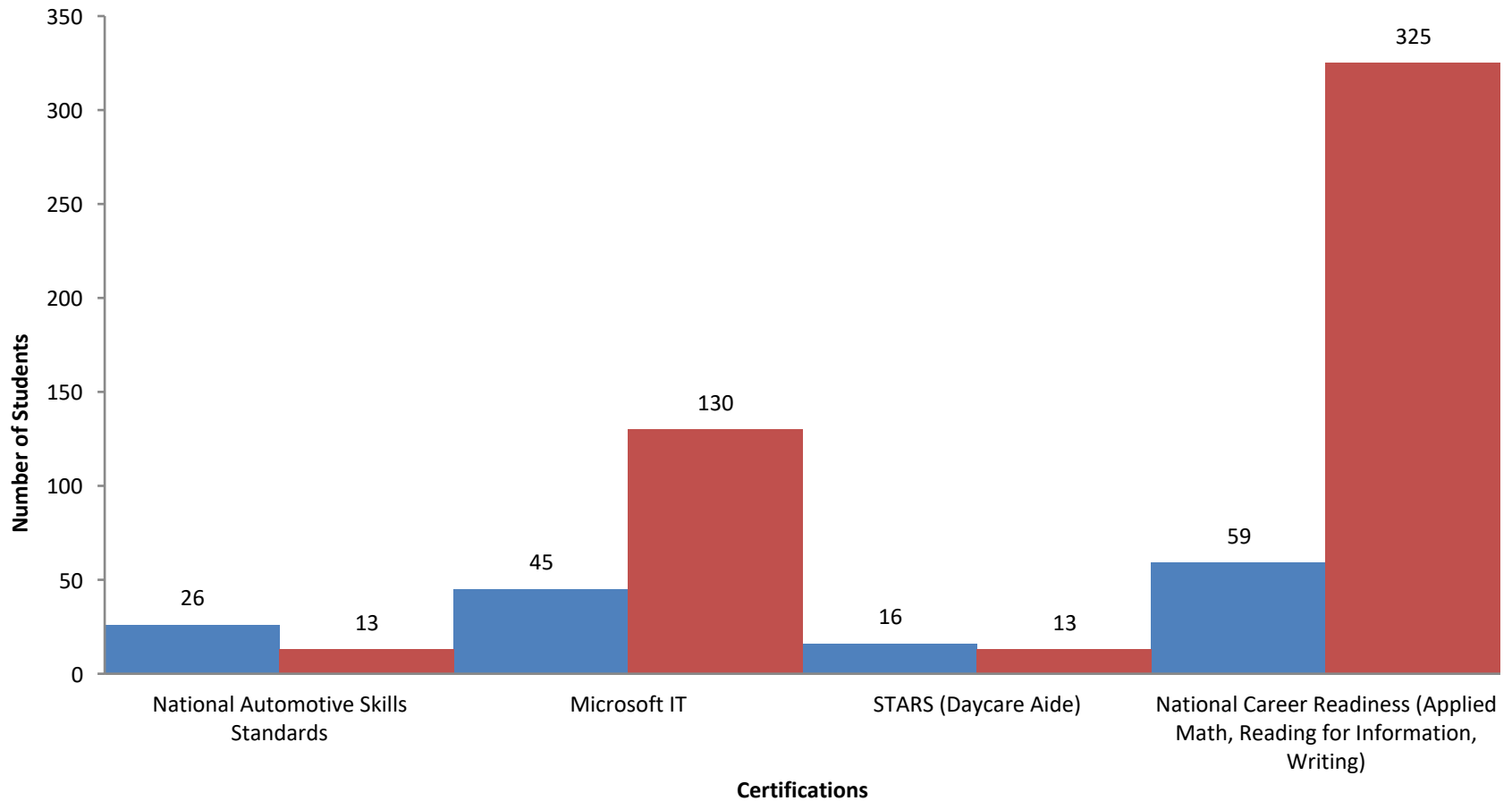
2012-2013 school year **481** Everett Public Schools students earned industry certifications.

- **13** National Automotive Skills Standards Association (Automotive Technology courses)
- **130** Microsoft IT (Office User Specialist courses in the following areas: word (48), PowerPoint (57), Access (1), and Excel (22).
- **13** STARS (Day care Aide).
- **325** National Career Readiness Certification (NCRC); Platinum 2, Gold 112, Silver 168, and Bronze 43.

2011-2012 school year **146** Everett Public Schools students earning industry certifications.

- **26** National Automotive Skills Standards Association (Automotive Technology courses)
- **45** Microsoft IT (Computer Applications and Office User Specialist courses)
- **16** STARS (Day care Aide)
- **59** National Career Readiness Certification (NCRC) that was a field test in the spring and will be implemented into all CE courses this coming year

Industry Certification



TREND ANALYSIS 1998-2005 and 2011-2012

Descriptions of the Population of Graduates

Class of:*	'98	'99	'01	'02	'03	'04	'05	2011	2012
Population Size	832	821	861	881	873	843	845	1,010	1,016
Response to Survey**	85%	82%	84%	81%	82%	81%	82%	80%	76%
Male	50%	52%	48%	44%	47%	49%	46%	50%	49%
Female	50%	48%	52%	56%	53%	51%	54%	50%	51%
White	85%	80%	82%	81%	79%	80%	76%	70%	68%
Black	3%	3%	3%	2%	2%	3%	3%	4%	5%
Asian	9%	13%	12%	12%	12%	11%	15%	17%	15%
Hispanic	3%	4%	2%	4%	5%	5%	4%	8%	9%
Other	1%	1%	3%	1%	1%	1%	1%	2%	3%
Low GPA (<1.95)	4%	5%	10%	3%	3%	3%	4%	8%	7%
Medium GPA (1.96-2.94)	39%	43%	38%	39%	40%	35%	35%	40%	41%
High GPA (2.95-4.0+)	57%	52%	53%	57%	57%	61%	61%	52%	52%
College Prep	27%	29%	na	na	na	48%	na	42%	49%
Voc/Tech Prep	16%	9%	na	na	na	1%	na	28%	8%
College & Voc/Tech	7%	5%	na	na	na	1%	na	3%	4%
General	50%	57%	100%	100%	100%	51%	100%	27%	40%

*Graduate Follow-Up Study not conducted for Classes of 2000, 2006-2010; AVG based on data to the left of that column

**Response level based on number of sample member respondents.

Demographic variable percentages may not total 100% due to rounding error.

Graduates of '01, '02, '03 and '05 were not identified by educational program variable. (General is the default program)

Continuing Education

	'98	'99	'01	'02	'03	'04	'05	2011	2012
Full Time	55%	56%	40%	67%	61%	65%	64%	62%	56%
Part Time	10%	10%	14%	8%	7%	9%	7%	11%	13%
Total Percent continuing education:	65%	66%	54%	75%	68%	74%	71%	73%	69%
Type of School (Percent of those cont. ed):									
4-Year College/University	44%	46%	33%	45%	43%	48%	50%	47%	49%
Community College	50%	47%	58%	50%	49%	44%	44%	46%	44%
Trade/Tech	4%	3%	3%	2%	2%	5%	5%	5%	4%
Other	2%	3%	6%	3%	6%	3%	1%	2%	1%

1

Entering Work Force

	'98	'99	'01	'02	'03	'04	'05	2011	2012
Full Time	31%	28%	32%	17%	28%	19%	21%	11%	14%
Part Time	34%	23%	32%	38%	23%	35%	42%	32%	31%
Total Percent working	65%	51%	64%	55%	51%	54%	63%	44%	45%
Industry (Percent of those working):									
Wholesale/Retail	30%	23%	28%	28%	35%	29%	39%	31%	21%
Service Industry	11%	17%	19%	15%	14%	9%	11%	11%	11%
Restaurant	18%	16%	20%	21%	24%	27%	18%	20%	27%
Transport/Communication	2%	5%	2%	2%	3%	2%	2%	4%	1%
Health	7%	4%	9%	10%	5%	4%	6%	3%	7%
College/Work Study	3%	3%	1%	2%	2%	7%	7%	6%	7%
Other	37%	32%	21%	22%	17%	22%	17%	25%	26%

Living Wage Calculation for Snohomish County, Washington

displaying_results

The living wage shown is the hourly rate that an individual must earn to support their family, if they are the sole provider and are working full-time (2080 hours per year). The state minimum wage is the same for all individuals, regardless of how many dependents they may have. The poverty rate is typically quoted as gross annual income. We have converted it to an hourly wage for the sake of comparison. Wages that are less than the living wage are shown in red.

Hourly Wages	1 Adult	1 Adult, 1 Child	1 Adult, 2 Children	1 Adult, 3 Children	2 Adults	2 Adults, 1 Child	2 Adults, 2 Children	2 Adults, 3 Children
Living Wage	\$9.64	\$20.53	\$24.76	\$31.75	\$14.85	\$18.31	\$19.63	\$24.14
Poverty Wage	\$5.21	\$7.00	\$8.80	\$10.60	\$7.00	\$8.80	\$10.60	\$12.40
Minimum Wage	\$8.55	\$8.55	\$8.55	\$8.55	\$8.55	\$8.55	\$8.55	\$8.55

Typical Expenses

These figures show the individual expenses that went into the living wage estimate. Their values vary by family size, composition, and the current location.

Monthly Expenses	1 Adult	1 Adult, 1 Child	1 Adult, 2 Children	1 Adult, 3 Children	2 Adults	2 Adults, 1 Child	2 Adults, 2 Children	2 Adults, 3 Children
Food	\$242	\$357	\$536	\$749	\$444	\$553	\$713	\$904
Child Care	\$0	\$600	\$917	\$1,233	\$0	\$0	\$0	\$0
Medical	\$110	\$409	\$430	\$412	\$276	\$398	\$372	\$387
Housing	\$770	\$1,056	\$1,056	\$1,492	\$878	\$1,056	\$1,056	\$1,492
Transportation	\$285	\$555	\$639	\$686	\$555	\$639	\$686	\$698
Other	\$84	\$200	\$253	\$339	\$144	\$187	\$210	\$254
Required monthly income after taxes	\$1,491	\$3,177	\$3,831	\$4,911	\$2,297	\$2,833	\$3,037	\$3,735
Required annual income after taxes	\$17,892	\$38,124	\$45,972	\$58,932	\$27,564	\$33,996	\$36,444	\$44,820
Annual taxes	\$2,162	\$4,587	\$5,531	\$7,100	\$3,327	\$4,091	\$4,385	\$5,397
Required annual income before taxes	\$20,054	\$42,711	\$51,503	\$66,032	\$30,891	\$38,087	\$40,829	\$50,217

Typical Hourly Wages

These are the typical hourly rates for various professions in this location. Wages that are below the living wage for one adult supporting one child are marked in red.

Occupational Area	Typical Hourly Wage
Management	\$48.90
Business and Financial Operations	\$30.93
Computer and Mathematical	\$40.44
Architecture and Engineering	\$37.18
Life, Physical and social Science	\$28.69
Community and Social Services	\$20.16
Legal	\$33.03
Education, Training and Library	\$22.39
Arts, Design, Entertainment, Sports and Media	\$21.74
Healthcare Practitioner and Technical	\$32.47
Healthcare Support	\$14.03
Protective Service	\$23.29
Food Preparation and Serving Related	\$10.51
Building and Grounds Cleaning and maintenance	\$12.68
Personal care and Services	\$11.23
Sales and Related	\$13.43
Office and Administrative Support	\$16.47
Farming, Fishing and Forestry	\$11.38
Construction and Extraction	\$23.92
Installation, Maintenance and Repair	\$22.14
Production	\$16.75
Transportation and Material Moving	\$15.78

Source: <http://livingwage.mit.edu/>

Post-secondary Training: Pathways to Self-Sufficiency

Apprenticeship Choices

- Examples in Snohomish County
- Apprenticeships include a combination of work and classroom experience

Occupation	Average Annual Wage	Estimated Weekly Earnings*	Predicted Average Growth Rate (2014-2019)	Academic Entry Requirements	Length of Apprenticeship
Automotive Mechanic	\$37,315	\$718	.3%	HS diploma or GED	2-4 years
Electrical Worker	\$66,442	\$1,273	1%	HS diploma or GED; equivalent of 1 year HS algebra with C or higher	1-4 years
Iron Worker	\$46,251	\$889	2.5%	HS diploma or GED	3-4 years, journey level exam
Machinist	\$45,330	\$872	1.2%	HS diploma or GED	2-5 years
Operating Engineers	\$53,476	\$1,028	2.7%	HS diploma or GED; 2 years vocational training	3-4 years
Pipefitter/Plumber	\$58,009	\$1,116	1.2%	HS diploma or GED; equivalent of 1 year each HS algebra and geometry	2-5 years

Average Growth Rates range from -3.1% (log graders and scalers) to 7.5% (biomedical engineers).

* Estimated weekly earnings calculated by dividing the average annual wage by 52 weeks.

Sources: Washington State Employment Security Department Workforce Explorer, Numbers and Trends report for Snohomish County (https://fortress.wa.gov/esd/lmea/countydashboard/Default.aspx?area=53_04_000061); Washington State Labor Department and Labor of Industries, Apprenticeship Programs in Washington State (<http://www.lni.wa.gov/TradesLicensing/Apprenticeship/Programs/default.asp>)

Thank You



Questions?

