

***Snohomish County Fastest Growing Occupations
Requiring Some to Extensive Preparation
by
Career Cluster***

***Prepared for:
NEVAC Skills Center Feasibility Study
November 2006***

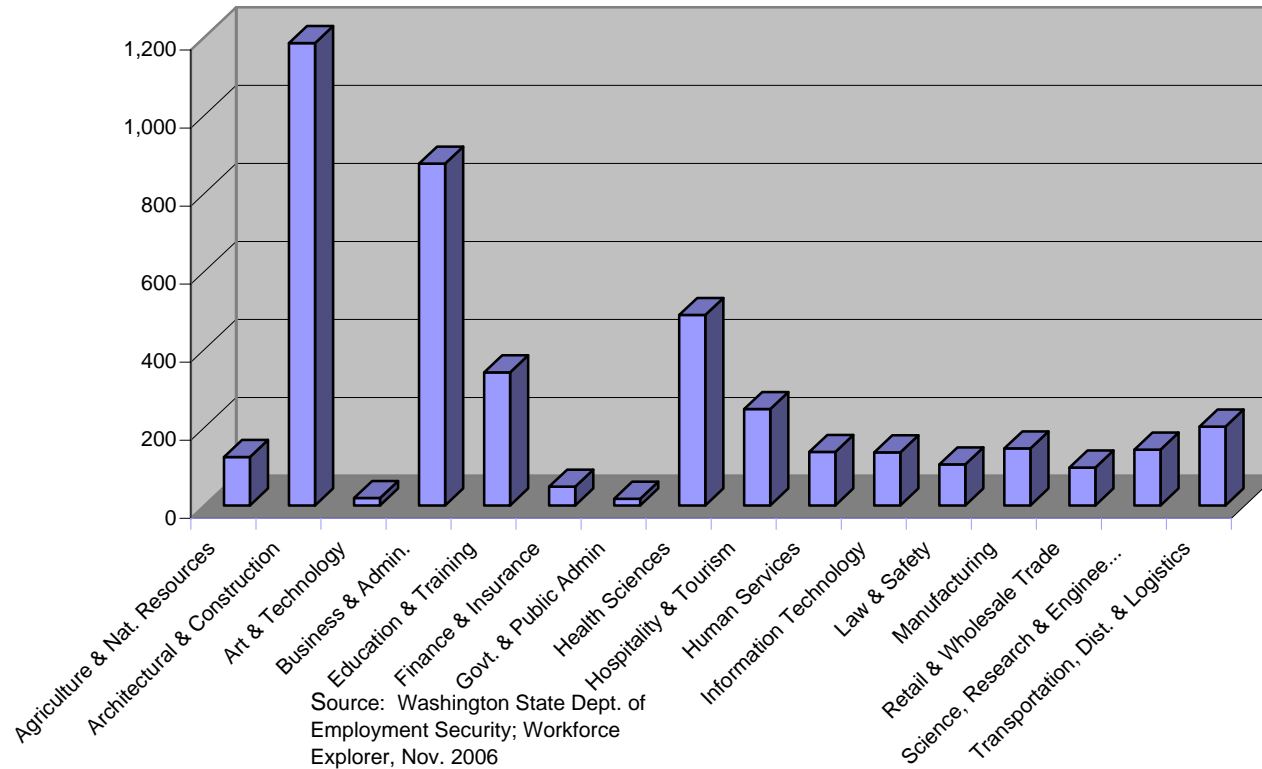
***by
CTE Services
Olympia, WA***

	Projected
Agriculture & Nat. Resources	124
Architectural & Construction	1,185
Art & Technology	19
Business & Admin.	876
Education & Training	341
Finance & Insurance	48
Govt. & Public Admin	17
Health Sciences	488
Hospitality & Tourism	247
Human Services	137
Information Technology	136
Law & Safety	105
Manufacturing	146
Retail & Wholesale Trade	97
Science, Research & Engineering	143
Transportation, Dist. & Logistics	202
Total	4,311

Snohomish County Fastest Growing Occupations Requiring Some to Extensive Preparation by Career Cluster

Annual Fast Growth Occupation
Openings
2004-2014

■ Projected Opening for
Cluster Occupations
with >1.5% Annual
Growth Rate



Source: Washington State Dept. of
Employment Security; Workforce
Explorer, Nov. 2006

AGRICULTURE AND NATURAL RESOURCES: The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Log Graders and Scalers	Some	39	1	\$19.77	2.8
Supervisors/Managers of Construction Trades and Extraction Workers <i>(In Demand)</i>	Considerable	2,065	114	\$31.43	2.7
Logging Equipment Operators	Some	137	5	\$10.41	1.9
Zoologists and Wildlife Biologists	Extensive	48	2	\$25.77	1.8
Supervisors/Managers of Farming Fishing and Forestry Workers	Medium	76	2	\$22.42	1.7
Total			124		(2.2% Avg.)

ARCHITECTURAL and CONSTRUCTION: Careers in designing, planning, managing, building and maintaining the built environment.

		2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Control and Valve Installers and Repairers Except Mechanical Door	Medium	43	2	\$21.25	2.9
Construction Laborers <i>(In Demand)</i>	Some	3,412	192	\$15.92	2.8
Helpers--Installation Maintenance and Repair Workers	Some	264	15	\$10.19	2.7
Tapers <i>(In Demand)</i>	Some	252	17	\$24.22	2.6
Pipelayers	Some	107	7	\$16.12	2.6
Helpers--Electricians <i>(In Demand)</i>	Some	80	7	\$13.29	2.4
Painters Construction and Maintenance (In Demand)	Considerable	2,065	123	\$19.23	2.3
Carpenters <i>(In Demand)</i>	Some	4,506	254	\$20.04	2.3
Operating Engineers and Other Construction Equipment Operators <i>(In Demand)</i>	Medium	724	45	\$24.41	1.9
Electricians	Medium	1,156	65	\$26.63	1.9
Cost Estimators <i>(In Demand)</i>	Considerable	556	39	\$28.54	1.9
Drywall and Ceiling Tile Installers <i>(In Demand)</i>	Some	342	23	\$22.34	1.9
Plumbers Pipefitters and Steamfitters	Medium	1,020	68	\$21.40	1.8
Cement Masons and Concrete Finishers	Medium	294	18	\$16.46	1.8
Telecommunications Equipment Installers and Repairers Except Line Installers	Medium	95	4	\$24.93	1.7
Structural Iron and Steel Workers	Medium	297	18	\$22.60	1.7
Carpenters (In Demand)	Considerable	4,506	254	\$20.04	1.7
Heating Air Conditioning and Refrigeration Mechanics and Installers	Medium	317	13	\$26.14	1.6
Telecommunications Equipment Installers and Repairers Except Line Installers	Some	95	4	\$24.93	1.6
Glaziers	Medium	277	17	\$15.90	1.6
	Total		1,185		(2.1% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

ART, A/V TECHNOLOGY and COMMUNICATION: Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Editors	Considerable	105	6	\$28.93	3.1
Writers and Authors	Considerable	84	2	\$21.50	3.1
Public Address System and Other Announcers	Medium	33	1	\$12.99	2.1
Printing Machine Operators	Considerable	238	6	\$16.44	2
Prepress Technicians and Workers	Considerable	96	2	\$15.74	1.9
Job Printers	Extensive	56	2	\$12.83	1.7
Total			19		(2.3% Avg.)

BUSINESS and ADMINISTRATION: Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration careers

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Training and Development Specialists	Considerable	247	8	\$27.65	2.9
Payroll and Timekeeping Clerks	Medium	378	21	\$17.66	2.7
Shipping Receiving and Traffic Clerks <i>(In Demand)</i>	Some	1,181	45	\$13.72	2.7
Billing and Posting Clerks and Machine Operators <i>(In Demand)</i>	Some	1,059	40	\$16.10	2.3
Supervisors/Managers of Housekeeping and Janitorial Workers <i>(In Demand)</i>	Medium	279	13	\$19.98	2.2
Legal Secretaries	Medium	219	8	\$10.51	2.2
Order Clerks	Some	543	16	\$17.55	2.2
Secretaries Except Legal Medical and Executive <i>(In Demand)</i>	Some	1,792	68	\$14.67	2.1
Training and Development Managers	Considerable	20	1	\$42.93	2.1
Administrative Services Managers	Considerable	232	10	\$39.30	2
Customer Service Representatives <i>(In Demand)</i>	Some	2,468	83	\$14.88	2
Human Resources Assistants Except Payroll and Timekeeping	Medium	313	13	\$18.13	1.9
Chief Executives	Extensive	208	7	\$0.00	1.9
Meeting and Convention Planners	Considerable	33	1	\$17.89	1.9
Public Relations Specialists	Considerable	238	9	\$28.61	1.8
Supervisors/Managers of Office and Administrative Support Workers <i>(In Demand)</i>	Medium	1,785	70	\$24.13	1.8
Billing and Posting Clerks and Machine Operators	Medium	1,059	40	\$16.10	1.8
Office Clerks General	Some	3,818	164	\$13.06	1.7
Interviewers Except Eligibility and Loan	Medium	283	14	\$13.69	1.7
Public Relations Managers	Considerable	52	2	\$42.83	1.6
Compensation Benefits and Job Analysis Specialists	Considerable	111	4	\$25.90	1.6
Executive Secretaries and Administrative Assistants <i>(In Demand)</i>	Medium	1,426	78	\$20.09	1.6
Employment Recruitment and Placement Specialists <i>(In Demand)</i>	Considerable	290	12	\$20.27	1.5
Couriers and Messengers <i>(In Demand)</i>	Some	286	19	\$11.90	1.5
Bookkeeping Accounting and Auditing Clerks <i>(In Demand)</i>	Medium	3,281	130	\$15.89	1.5
	Total		876		(2.0% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

EDUCATION and TRAINING: Planning, managing and providing education and training services and related learning support services.

		2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Fitness Trainers and Aerobics Instructors <i>(In Demand)</i>	Medium	424	18	\$18.21	2
Librarians	Extensive	358	13	\$29.09	1.9
Kindergarten Teachers Except Special Education	Considerable	258	7	\$47,320 yr	1.7
Vocational Education Teachers Secondary School	Considerable	292	13	\$49,428 yr	1.7
Special Education Teachers Secondary School	Considerable	170	7	\$51,228 yr	1.7
Political Science Teachers Postsecondary	Extensive	13	0	\$34,848 yr	1.7
Secondary School Teachers Except Special and Vocational Education <i>(In Demand)</i>	Considerable	1139	50	\$52,222 yr	1.7
Middle School Teachers Except Special and Vocational Education <i>(In Demand)</i>	Considerable	1201	45	\$49,596 yr	1.7
Vocational Education Teachers Postsecondary <i>(In Demand)</i>	Considerable	447	17	\$20.83	1.7
Special Education Teachers Middle School	Considerable	118	5	\$49,455 yr	1.7
Education Administrators Preschool and Child Care Center/Program	Considerable	42	2	\$26.48	1.7
Education Administrators Elementary and Secondary School <i>(In Demand)</i>	Extensive	332	13	\$90,985 yr	1.7
Instructional Coordinators	Extensive	87	3	\$38.86	1.7
Business Teachers Postsecondary	Extensive	61	2	\$35,319 yr	1.7
Mathematical Science Teachers Postsecondary	Extensive	38	1	\$39,557 yr	1.7
History Teachers Postsecondary	Extensive	18	1	\$38,323 yr	1.7
Health Educators	Extensive	44	2	\$30.99	1.7
Teacher Assistants <i>(In Demand)</i>	Medium	3247	114	\$27,228 yr	1.6
Self-Enrichment Education Teachers	Considerable	271	8	\$17.51	1.5
Special Education Teachers Preschool Kindergarten and Elementary School	Considerable	277	11	\$49,639 yr	1.5
Educational Vocational and School Counselors	Extensive	227	9	\$26.36	1.5
	Total		341		(1.7% Avg.)

FINANCE and INSURANCE: Planning services for financial and investment planning, banking, insurance and business financial management.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Insurance Underwriters	Medium	66	2	\$29.27	2.7
Billing and Posting Clerks and Machine Operators (<i>In Demand</i>)	Medium	1,059	40	\$16.10	2.5
New Accounts Clerks	Some	153	6	\$13.13	1.8
	Total		48		(2.3% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

GOVERNMENT and PUBLIC ADMINISTRATION: Executing governmental functions to include Governance, National Security, Foreign Service, Planning, Revenue and Taxation, Regulation and Management and Administration at the local, state and federal levels.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Chief Executives	Extensive Preparation	208	7	0	1.9
Social and Community Service Managers	Considerable	80	3	41.05	1.8
Chief Executives	Considerable	208	7	0	1.5
Total			17		(1.7% Avg.)

HEALTH SCIENCE: Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Physician Assistants	Considerable	104	4	\$38.36	34.7
Pharmacy Aides	Some	154	6	\$13.09	34.2
Diagnostic Medical Sonographers	Medium	67	2	\$34.25	22.5
Dental Hygienists	Medium	388	12	\$41.44	21.3
Dental Assistants	Some	747	37	\$16.51	21
Pharmacists	Extensive	372	15	\$43.18	20.8
Registered Nurses <i>(In Demand)</i>	Medium	3,239	132	\$29.92	20.7
Licensed Practical and Licensed Vocational Nurses <i>(In Demand)</i>	Medium	604	26	\$20.34	20.7
Veterinary Assistants and Laboratory Animal Caretakers <i>(In Demand)</i>	Some	107	7	\$10.64	20.2
Medical Records and Health Information Technicians	Medium	445	15	\$13.55	20.2
Emergency Medical Technicians and Paramedics	Some	326	10	\$26.65	20
Occupational Therapist Assistants	Medium	40	2	\$19.67	20
Home Health Aides	Some	499	17	\$11.16	19.7
Physical Therapist Assistants	Medium	167	8	\$17.42	19.7
Surgical Technologists	Medium	64	2	\$22.98	19.4
Compliance Officers Except Agriculture Construction Health and Safety	Considerable	358	15	\$24.06	19.4
Dietitians and Nutritionists	Extensive	74	4	\$23.98	19.1
Physical Therapists	Extensive	623	23	\$28.43	19
Medical and Clinical Laboratory Technicians	Some	77	4	\$14.77	18.9
Medical Assistants	Medium	594	24	\$15.49	18.9
Occupational Health and Safety Specialists	Extensive	87	5	\$27.67	18.8
Surgeons	Extensive	60	2	\$0.00	18.8
Medical and Clinical Laboratory Technologists	Considerable	163	8	\$27.80	18.6
Recreational Therapists	Considerable	15	1	\$23.10	18.2
Medical and Health Services Managers	Extensive	199	8	\$47.91	18.1
Dentists General	Extensive	175	7	\$68.28	18.1
Speech-Language Pathologists <i>(In Demand)</i>	Extensive	311	17	\$26.09	17.9
Occupational Therapists <i>(In Demand)</i>	Considerable	329	14	\$27.26	17.7
Radiologic Technologists and Technicians <i>(In Demand)</i>	Medium	257	10	\$23.54	17.5
Nursing Aides Orderlies and Attendants <i>(In Demand)</i>	Some	1,451	51	\$12.14	17.3
Total			488		(20.4% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

HOSPITALITY and TOURISM: Management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

		2005	Projected	Median 2005	Projected
	Preparation	Employment	Annual	Wage	Annual
			Openings		Growth %
					2004-2014
Athletic Trainers	Extensive	78	4	\$33,580.00	2.2
Supervisors/Managers of Personal Service Workers (<i>In Demand</i>)	Medium	464	20	\$20.43	2.1
Supervisors/Managers of Housekeeping and Janitorial Workers (In Demand)	Medium	279	13	\$19.98	1.9
Gaming Dealers (<i>In Demand</i>)	Some	532	42	\$8.04	1.7
Cooks Restaurant (<i>In Demand</i>)	Some	1,513	90	\$10.65	1.6
Bakers	Medium	459	15	\$14.39	1.6
Coaches and Scouts	Extensive	258	9	\$33,034.00	1.6
Supervisors/Managers of Food Preparation and Serving Workers (In Demand)	Some	1,174	54	\$18.76	1.5
	Total		247		(1.8% Avg.)

HUMAN SERVICES: Preparing individuals for employment in career pathways that relate to families and human needs.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Child Family and School Social Workers	Extensive	70	2	\$20.46	2.6
Child Care Workers (In Demand)	Medium	2,436	102	\$8.62	2.2
Medical and Public Health Social Workers	Extensive	113	4	\$23.47	1.8
Clinical Counseling and School Psychologists	Extensive	337	13	\$28.06	1.6
Social and Human Service Assistants (In Demand)	Medium	421	16	\$12.05	1.5
	Total		137		(1.9% Avg.)

INFORMATION TECHNOLOGY: Technical and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia and Systems Integration Services.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Network and Computer Systems Administrators <i>(In Demand)</i>	Considerable	680	22	\$31.73	3.5
Computer Support Specialists <i>(In Demand)</i>	Medium	846	30	\$22.17	2.8
Computer and Information Systems Managers <i>(In Demand)</i>	Extensive	313	14	\$50.04	2.2
Network Systems and Data Communications Analysts <i>(In Demand)</i>	Medium	453	17	\$33.71	2.1
Database Administrators	Considerable	155	6	\$40.79	2.1
Computer Software Engineers Systems Software	Considerable	406	7	\$37.16	2
Computer Systems Analysts <i>(In Demand)</i>	Considerable	874	25	\$33.98	1.9
Computer Programmers <i>(In Demand)</i>	Considerable	327	15	\$31.47	1.6
Total			136		(2.3% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

LAW and SAFETY: Planning, managing and providing legal, public safety, protective services and homeland security including professional and technical support services.

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Gaming Surveillance Officers and Gaming Investigators	Some	43	2	\$14.72	2.4
Correctional Officers and Jailers	Medium	1,114	37	\$18.55	2.2
Police and Sheriff's Patrol Officers	Medium	983	38	\$29.23	1.6
Fire Inspectors and Investigators	Medium	25	1	\$32.51	1.6
Security Guards (<i>In Demand</i>)	Some	508	27	\$11.91	1.6
	Total		105		(1.9% Avg.)

MANUFACTURING: Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engine

		2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Medical Equipment Repairers	Medium	35	2	\$17.46	2.9
Lathe & Turning Machine Tool Setters Operators/Tenders Metal <i>(In Demand)</i>	Medium	88	6	\$17.66	2.6
Machinists <i>(In Demand)</i>	Medium	482	27	\$18.69	1.9
Structural Metal Fabricators and Fitters <i>(In Demand)</i>	Considerable	210	12	\$17.56	1.9
Packaging and Filling Machine Operators and Tenders	Some	190	6	\$12.81	1.9
Supervisors/Managers of Production and Operating Workers <i>(In Demand)</i>	Medium	1,271	70	\$27.21	1.7
Electrical and Electronic Equipment Assemblers	Medium	949	14	\$16.22	1.7
Civil Engineering Technicians	Medium	179	6	\$23.66	1.6
Tailors Dressmakers and Custom Sewers	Considerable	122	3	\$12.77	1.5
	Total		146		(2.0% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

RETAIL and WHOLESALE TRADE: Planning, managing and performing marketing activities to reach organizational objectives.

		2005	Projected	Median 2005	Projected
	Preparation	Employment	Annual	Wage	Annual
			Openings		Growth %
					2004-2014
Supervisors/Managers of Non-Retail Sales Workers <i>(In Demand)</i>	Medium	951	32	\$32.23	2.1
Real Estate Sales Agents	Some	688	26	\$23.72	1.9
Parts Salespersons	Some	483	22	\$12.39	1.8
Pressers Textile Garment and Related Materials	Some	54	2	\$9.16	1.7
Wholesale and Retail Buyers Except Farm Products	Medium	319	15	\$20.61	1.6
	Total		97		(1.8% Avg.)

SCIENCE, RESEARCH and ENGINEERING: Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services and research and development se

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Materials Engineers	Extensive	26	0	\$25.67	2.8
Mechanical Engineers (<i>In Demand</i>)	Considerable	335	30	\$39.23	2.7
Surveying and Mapping Technicians	Medium	133	10	\$17.44	2.5
Civil Engineers (<i>In Demand</i>)	Considerable	794	35	\$31.08	2.5
Environmental Scientists and Specialists Including Health	Extensive	100	4	\$31.16	2.2
Environmental Science and Protection Technicians Including Health	Considerable	17	1	\$20.17	2.2
Chemists	Considerable	148	13	\$34.20	2.1
Weighers Measurers Checkers and Samplers Recordkeeping	Little	52	2	\$16.67	2.1
Medical Scientists Except Epidemiologists	Considerable	306	21	\$42.31	2
Electronics Engineers Except Computer	Considerable	193	5	\$33.01	1.9
Biological Technicians (<i>In Demand</i>)	Considerable	85	5	\$18.76	1.8
Health and Safety Engineers Except Mining Safety Engineers and Inspectors	Considerable	34	2	\$37.17	1.8
Natural Sciences Managers (<i>In Demand</i>)	Extensive	216	15	\$47.29	1.6
Total			143		(2.2% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005

TRANSPORTATION, DISTRIBUTION and LOGISTICS: Planning, management and movement of people, materials and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation, infrastructure planning and

	Preparation	2005 Employment	Projected Annual Openings	Median 2005 Wage	Projected Annual Growth % 2004-2014
Postal Service Clerks	Some	113	3	\$22.46	2.3
Truck Drivers Heavy and Tractor-Trailer <i>(In Demand)</i>	Some	2,663	88	\$17.73	2
Automotive Body and Related Repairers	Some	396	15	\$26.08	1.9
Bus Drivers School <i>(In Demand)</i>	Some	1,478	58	\$15.46	1.8
Bus Drivers Transit and Intercity	Some	846	30	\$19.49	1.7
Mobile Heavy Equipment Mechanics Except Engines	Considerable	157	8	\$26.26	1.6
Postmasters and Mail Superintendents	Medium	21	0	\$30.81	1.6
	Total		202		(1.8% Avg.)

Source: Washington St. Dept. of Employment Security
Workforce Explorer, November 2005