




Worksite Learning and Career Choices span all Career Clusters

Courses by Career Cluster <i>Cluster icons designed by THS VisCom Students</i>	Possible Jobs/Sample Occupations	Employment Data	Miscellaneous Notes
<div data-bbox="149 305 289 444">  </div> <p data-bbox="373 342 537 418">Architecture & Construction Career Cluster</p> <ul data-bbox="155 477 562 651" style="list-style-type: none"> • Computer Aided Drafting & Architecture • Core Plus Construction Technology A, B, C including WA state approved pre-apprenticeship program at Lindbergh • Worksite Learning (WSL), Construction Trades <div data-bbox="155 686 401 737"> <p>Manufacturing Career Cluster</p> </div> <div data-bbox="436 672 581 818">  </div> <ul data-bbox="142 769 590 943" style="list-style-type: none"> • Aerospace/Advanced Manufacturing A, B, C • Industrial Technology: Intro, Design, & Manufacturing • Welding & Plasma Cutting Arts A, B • Worksite Learning (WSL), Precision Production <div data-bbox="149 997 289 1136">  </div> <p data-bbox="373 980 537 1031">STEM Career Cluster</p> <ul data-bbox="323 1068 533 1154" style="list-style-type: none"> • Physics A, B • Pre-engineering A, B • Robotics A, B <ul data-bbox="155 1159 520 1209" style="list-style-type: none"> • Worksite Learning (WSL), Technology Education <p data-bbox="247 1243 478 1268">CTE in Middle School</p> <ul data-bbox="155 1276 520 1352" style="list-style-type: none"> • Engineering, Design 2 Creation 1, 2, 3 (pre-engineering) • Science 7/8 <p data-bbox="155 1386 590 1411">ALL CAREER CLUSTERS (Career Choices)</p> <ul data-bbox="155 1419 491 1469" style="list-style-type: none"> • IB Personal/Professional Skills A, B • Pathways to Success A, B 	<p data-bbox="751 302 926 326">Some Preparation</p> <p data-bbox="611 331 1066 488">Lab Technicians, Surveying and Mapping Technician, Manufacturing Technician, Painter, Construction, Pipe Layer, Structural Iron and Steel Worker, Hazardous Materials Removal Worker, Mason, Floor Layers, Manufactured Building Installers, Equipment Operators.</p> <p data-bbox="741 505 936 529">Medium Preparation</p> <p data-bbox="611 534 1066 992">First-Line Supervisors/Managers of Construction Trades and Extraction Workers, Electricians, Construction Managers, Drywall and Ceiling Tile Installers, Roofers, Cabinetmakers and Bench Carpenters, Cement and Stone Masons, Electrical Power-Line Installers and Repairers, Construction and Building Inspectors, Insulation Workers, Crane and Tower Operators, Security and Fire Alarm Systems Installers, Insulation Workers, Mechanical, Electrical and Electronics Repairers, Reinforcing Iron and Rebar Workers, Chemical Technicians, Surveyors, Code Official, Power Generating and Reactor, Plant Operator, Machinists, Technicians (Industrial, Mechanical, & Civil Engineering), Labor Relations Manager, Precision Inspector, Tester and Grader, Welders, Cutters, Solderers & Braziers.</p> <p data-bbox="720 1008 961 1032">Considerable Preparation</p> <p data-bbox="611 1037 1066 1333">Analytical Chemist, Applied Mathematician, Astronomer, Space Scientists, Biologist, Botanist, Geneticist, Geologist, Marine Scientist, Math or Science Teacher, Research Technician, Architect, Building Code Official, Drafter, Engineer (Materials, Structural, Civil, Industrial, Environmental, Electrical, Mechanical, Manufacturing), Specification Writer, Urban Planner/Designer, Sales Representatives of Wholesale & Manufacturing, Technical and Scientific Products.</p>	<p data-bbox="1178 305 1556 329">Architecture & Engineering Occupations</p> <ul data-bbox="1083 334 1625 626" style="list-style-type: none"> • Aerospace Engineering and Operations Technologists & Technicians (17-3021) 8% growth \$77,830 • Aerospace Engineers (17-2011) 6% growth \$130,720 • Agriculture Engineers (17-2021) 8% growth \$88,750 • Architects (17-1011) 8% growth \$93,510 • Chemical Engineers (17-3022) 10% growth \$112,100 • Civil Engineers (17-2051) 6% growth \$95,890 • Electrical and Electronics Engineers (17-2070) 9% growth \$109,010 • Environmental Engineers (17-2081) 7% growth \$100,090 • Mechanical Engineers (17-2141) 11% growth \$99,510 <p data-bbox="1178 643 1556 667">Construction and Extraction Occupations</p> <ul data-bbox="1083 672 1646 976" style="list-style-type: none"> • Construction Equipment Operator (47-2070) 4% growth \$55,270 • Construction Laborers & Helpers (47-2061) 7% growth \$44,310 • Electricians (47-2111) 11% growth \$61,590 • Elevator and Escalator Installers and Repairers (47-4021) 6% growth \$102,420 • Plumbers, Pipefitters, and Steamfitters (47-2152) 6% growth \$61,550 • Roofers (47-2181) 6% growth \$50,030 • Solar Photovoltaic Installer (47-2231) 48% growth \$48,800 <p data-bbox="1199 992 1535 1016">Installation, Maintenance, & Repair</p> <ul data-bbox="1083 1021 1654 1390" style="list-style-type: none"> • Aircraft & Avionics Mechanic/Tech (49-3011) 5% growth \$75,400 • Calibration Technologists and Technicians (17-3028) 6% growth \$62,790 • General Maintenance & Repair (49-9071) 5% growth \$46,700 • Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021) 9% growth \$57,300 • Heavy Vehicle and Mobile Equipment Service Technicians (49-3040) 9% growth \$61,000 • Industrial Machinery Mechanics (49-9041) 15% growth \$61,170 • Medical Equipment Repairer (49-9062) 18% growth \$60,670 • Wind Turbine Technicians (49-9081) 45% growth \$61,770 	<p data-bbox="1675 302 1997 500">Overall employment in architecture and engineering occupations is projected to grow faster than the average for all occupations from 2023 to 2033. About 195,000 openings are projected each year.</p> <p data-bbox="1675 516 2011 714">Overall employment in construction and extraction occupations is projected to grow faster than the average for all occupations from 2023 to 2033. About 663,500 openings are projected each year.</p> <p data-bbox="1675 760 1976 813">According to the US Bureau of labor Statistics Top 20 lists:</p> <p data-bbox="1703 846 1990 899">Fastest Growing Occupations Growth Rate 2023 – 2033</p> <ul data-bbox="1675 906 2011 1016" style="list-style-type: none"> #1 – Wind Turbine Service Technicians 60% growth #2 – Solar Photovoltaic Installers 48% growth <p data-bbox="1692 1049 2003 1130">Most New Jobs Projected Number of New Jobs 2023 – 2033</p> <ul data-bbox="1675 1138 2011 1479" style="list-style-type: none"> #2 – Software Developers 303,700 new jobs #5 – General and Operations Managers 210,400 new jobs #11 – Laborers and Freight, Stock, and Material Movers, Hand 125,700 new jobs #13 – Construction Laborers 115,400 new jobs #20 – Electricians 84,300 new jobs