

COURSES BY CAREER CLUSTER

Course	CIP	Hours	Equivalency*
Arts, A/V Technology & Communication			
Yearbook, Year 1	091001	210	1.5 Art
Yearbook, Year 2	091001	210	1.5 Art
Business, Management & Administration			
AP Business with Personal Finance	520201	140	None
Entrepreneurship	520701	70	None
IB Business & Management HL Year 1	030104	140	None
IB Business & Management HL Year 2	030104	210	None
Journalism Communications	520501	210	1.0 ELA (S)
Leadership, Year 1	520211	210	None
Leadership, Year 2	520211	210	None
Finance			
AP Macroeconomics	450601	70	0.5 Soc Studies
AP Microeconomics	450601	70	0.5 Soc Studies
Financial Algebra	270305	140	1.0 Math, 3 rd Yr
International Economics	450601	70	0.5 Soc Studies
Law, Public Safety, Corrections & Security			
Business Law	220001	70	None
Marketing			
AP 3D Art and Design, Fashion	521902	140	1.0 Art
Marketing – Merch Operations	521804	210	None
Marketing – Store Operations	521801	210	None
Marketing Exploration	521400	70	None
Marketing Practicum	521401	210	None
Social Media Marketing	521999	70	None
Sports Entertainment Marketing	521400	70	None
Career Choices and Worksite Learning Span ALL Business Courses			
IB Personal & Professional Skills	320107	140	None
Pathways to Success	320107	210	None
Worksite Learning	528888	180	None

*(S) denotes equivalency aligned by OSPI framework, otherwise locally determined

TOP FIELDS (MEDIAN WAGE) AND OCCUPATIONS

BUSINESS (\$75,000) | COMMUNICATIONS (\$65,000) | MATHEMATICS (\$86,000)
Management | Operations | Computer & Mathematical
Sales & Related | Office & Administrative Support

LABOR MARKET DATA

Occupation	SOC	Growth	Annual Salary
High School Diploma or Less, On-the-Job Training			
Transportation, Storage, and Distribution Managers	11-3071	6%	\$ 102,010
Insurance Sales Agents	41-3021	4%	\$ 60,370
Personal Service Managers, All Others	11-9179	6%	\$ 61,340
Short-term Training, Certificate, or Associate of Applied Science			
Entertainment and Recreation Managers	11-9072	8%	\$ 77,180
Bachelor's, Graduate, or Experience			
Financial and Investment Analysts	13-2051	6%	\$ 101,910
Agent and Business Managers of Artists, Performers, and Athletes	13-1011	9%	\$ 96,310
Operations Research Analysts	15-2031	21%	\$ 91,290
Financial Examiners	13-2061	19%	\$ 90,400
Human Resource Specialist	13-1071	6%	\$ 72,910
Logistician	13-1081	17%	\$ 80,880
Market Research Analysts	13-1161	7%	\$ 76,950
Personal Financial Advisors	13-2052	10%	\$ 102,140
Buyers and Purchasing Agents	13-1020	6%	\$ 79,830
Management Analysts	13-1111	9%	\$ 101,190
Project Management Specialists	13-1082	6%	\$ 100,750
Advanced Degrees or Extensive Experience			
Human Resource Manager	11-3121	5%	\$ 140,030
Sales Manager	11-2022	5%	\$ 138,060
Public Relations Manager	11-2030	5%	\$ 132,870
Actuaries	15-2011	22%	\$ 125,770
Marketing Managers	11-2021	7%	\$ 159,660
Financial Managers	11-3031	15%	\$ 161,700
Training and Development Managers	11-3131	6%	\$ 127,090
MILITARY CAREERS			
"Enlisted" roles are hands-on learning jobs students can start immediately after high school.			
Career	Role	Branches	Median Salary
Human Resources Managers	Officer	Army, Marines, Navy, Air Force, Space Force, Coast Guard	\$ 94,365
Financial Managers	Officer	Army, Marines, Navy, Air Force, Space Force, Coast Guard	\$ 136,587
Contracts Specialists	Enlisted	Army, Marines, Navy, Air Force, Space Force	\$ 139,448

Citations: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, <https://www.bls.gov/ooh/> (version 08.28.2025)

CareerOneStop, US Department of Labor, Employment and Training Administration, <https://www.careeronestop.org> (2026)

Employment Security Department, WA, Occupations in Demand, <https://esd.wa.gov/jobs-and-training/labor-market-information/learn-about-occupation> (11.07.2025 Labor Market Data)

EMPLOYMENT NOTES

BLS projects faster than average growth for occupations in the following areas with median wages above the median wage of \$49,500 for all occupations:

Occupation Group	Annual Openings 2024 - 2034	Median Annual Wage
Management	1,100,000	\$ 122,090
Business and Financial	942,500	\$ 80,920
Math	37,700	\$ 104,620

Employment opportunities in business, finance, logistics, marketing, and data-driven decision-making occupations are expected to remain strong due to:

- Increasing regulatory complexity and financial accountability, driving demand for financial analysts, examiners, advisors, and risk management professionals.
- Growth in e-commerce, supply chain management, and logistics, creates a need for professionals skilled in operations, inventory management, and distribution.
- Rising demand for consulting and business strategy services, as organizations seek to improve efficiency, reduce costs, and remain competitive.
- An aging population and evolving retirement systems, creating sustained need for personal financial planning, insurance analysis, and actuarial services.
- Expanding use of data analytics, statistics, and mathematical modeling, supporting informed decision-making, marketing strategies, product development, and operational planning.
- Continued demand for marketing, training, and organizational development professionals, driven by innovation in digital marketing, workforce training, and learning technologies.

ENTRY-LEVEL CERTIFICATIONS

Core certifications identified for jobs with no or minimal high education requirement

CareerOneStop Certification Finder

Core level certification recommendations for jobs requiring associate degree or less for entry include:

Assessment of Skills and Knowledge of Business Institute

- Concepts of Business Management
- Concepts of Finance
- Concepts of Entrepreneurship
- Fundamental Business Concepts

Certipoint IC3 Digital Literacy Mast

NOCTI Fundamental of Marketing Concepts

Pearson

- Entrepreneurship and Small Business
- Professional Communication
- Generative AI Foundations
-

Stukent Certifications

- AMA Marketing
- Introduction to Business
- AMA Social Media Marketing
- Personal Finance
- Entrepreneurship
- Sports Marketing

TOP EMPLOYMENT IMPORTANT QUALITIES

- Evaluate information, pay attention to minutiae, and make sound decisions in a variety of situations.
- Interpret the details of financial agreements, and business plans.
- Critically evaluate data, identify issues in documentation, and suggest solutions.
- Understand basic finance and accounting.
- Listen to and discuss facts and concerns from clients, managers, and other stakeholders.
- Be able to discuss the results of their work both in meetings and in written reports.
- Convey information effectively and respond to questions and concerns in a way that is understandable to diverse audiences at all levels.
- Analyze, compare, and interpret facts and figures.
- Collaborate with others, displaying respectful and professional behavior while working with diverse groups.
- Strong organizational skills and attention to detail.
- Pay attention to detail when compiling and examining documents.

SOURCES

US Bureau of Labor and Statistics, Occupational Outlook Handbook (08.28.2025)

<https://www.bls.gov/ooh/>

Individual occupation details Summary, How to Become One, Pay, Job Outlook, and Similar Occupations from the following occupational groups were the most used:

- Business and Financial
- Management
- Math

CareerOneStop (2026)

<https://www.careeronestop.org/>

Explore Careers / Career Clusters

- Financial Services Marketing
- Sales Management & Entrepreneurship

Toolkit

- Certification Finder
- Fastest Growing Careers

WA Employment Security Department, Occupations in Demand (11.07.2025 Labor Data)

<https://esd.wa.gov/jobs-and-training/labor-market-information/learn-about-occupation>

Occupations in Demand tool was used to search for occupations in the Greater Seattle metropolitan area to narrow careers considered for inclusion. Counties included were King, Pierce, Snohomish, Kitsap, Island, Skagit, Whatcom, and San Juan.

Today's Military (visited February 2026)

<https://www.todaysmilitary.com/careers-benefits/explore-careers>

- Business & Financial Services

Citations: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, <https://www.bls.gov/ooh/> (version 08.28.2025)

CareerOneStop, US Department of Labor, Employment and Training Administration, <https://www.careeronestop.org> (2026)

Employment Security Department, WA, Occupations in Demand, <https://esd.wa.gov/jobs-and-training/labor-market-information/learn-about-occupation> (11.07.2025 Labor Market Data)

COURSES BY CAREER CLUSTER

Course	CIP	Hours	Equivalency ¹
Information Technology			
Advanced Computer Science Projects	110201	210	None
AP CK Cybersecurity	110901	210	None
AP CK Networking	110901	210	None
AP Computer Science A	110201	210	1.5 Math
AP Computer Science Principles	110201	140	1.0 Math
BC IT 211 Networking I	110901	70	None
BC IT 212 Networking II	110901	70	None
BC IT 213 Networking III	110901	70	None
Cybersecurity	110901	140	None
Digital Sound Production ²	100203	140	1.0 Art
Game Programming	110201	210	1.5 Math
IB Computer Science SL	110201	210	1.5 Math
Intro to AI and Computer Science	110201	140	1.0 Math
Microsoft Office Certification	110699	70	None
Multimedia	110801	70	0.5 Art
Networking Fundamentals, Year 1	110901	210	None
Networking Fundamentals, Year 2	110901	210	None
Storytelling with Data	110802	210	None
Student Tech Support	111006	140	None
UW CSE 122 Intro to Computer Programming II	110201	210	1.5 Math
UW CSE 163 Intermediate Data Programming	110802	140	1.0 Math
Web Design	110801	140	None
Information Technology in Middle School			
Computer and Society	110701	120	None
MS Computer Science	110701	120	None
Career Choices and Worksite Learning Span ALL Business Courses.			
IB Personal & Professional Skills	320107	140	None
Pathways to Success	320107	210	None
Worksite Learning	528888	180	None

¹ (S) denotes equivalency aligned by OSPI framework, otherwise locally determined

² Digital Sound Production falls under Skilled & Technical Sciences. Included here due to high impact in computer science, programming, and game development.

LABOR MARKET DATA

Occupation	SOC	Growth	Annual Salary
Short-term Training, Certificate, or Associate of Applied Science			
Computer Network Support Specialists ³	15-1231	12%	\$ 104,725
Computer Numerically Controlled Tool Operators ³	51-9161	4%	\$ 104,120
Computer User Support Specialists ³	15-1232	10%	\$ 81,886
Health Information Technologists and Medical Registrars	29-9021	15%	\$ 67,310
Bachelor's, Graduate, or Experience			
Career/Technical Education Teachers, Middle School ³	25-2023	15%	\$ 102,190
Career/Technical Education Teachers, Secondary ³	25-2032	14%	\$ 99,390
Computer and Information Systems Managers	11-3021	15%	\$ 171,200
Computer Hardware Engineers	17-2061	7%	\$ 155,020
Computer Information Research Scientists	15-1221	20%	\$ 140,910
Computer Network Architects	15-1241	12%	\$ 130,390
Computer Science Teachers, Postsecondary ³	25-1021	14%	\$ 83,030
Computer Systems Analysts	15-1211	9%	\$ 103,790
Data Scientists	15-2051	34%	\$ 112,590
Database Administrators ³	15-1242	11%	\$ 129,406
Database Architects	15-1243	9%	\$ 135,980
Industrial Engineers	17-2112	11%	\$ 101,140
Information Security Analysts	15-1212	29%	\$ 124,910
Mathematicians ³	15-2021	9%	\$ 176,000
Medical and Health Services Managers	11-1911	23%	\$ 117,960
Network and Computer Systems Administrators ³	15-1244	8%	\$ 122,133
Operations Research Analysts	15-2031	21%	\$ 91,290
Software Developers	15-1252	16%	\$ 133,080
Software Quality Assurance Analysts and Testers	15-1253	10%	\$ 102,610
Statisticians	15-2041	9%	\$ 103,300
Web and Digital Interface Designers	15-1255	7%	\$ 98,090
Web Developers	15-1254	8%	\$ 90,930

³ Growth indicated on 2023-2033: long-term occupational projections, state method, ESD WA. Wages obtained from CareerOneStop/Toolkit/Occupational Profile individual occupation search.

HIGH SCHOOL COURSES TO TAKE NOW

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • Probability / Statistics • Computer Science • Database | <ul style="list-style-type: none"> • Data-Oriented Programming Languages • Engineering | <ul style="list-style-type: none"> • Linear Algebra • Mathematics • Calculus |
|--|--|---|

Citations: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, <https://www.bls.gov/ooh/> (version 08.28.2025)

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MILITARY CAREERS

"Enlisted" roles are hands-on jobs students that can start immediately after high school.

Career	Role	Branches	Median Salary
Cyber Security Officers	Enlisted	Army, Marines, Navy, Coast Guard	\$ 84,328
IT Managers	Enlisted	Army, Marines, Navy, Coast Guard	\$ 87,271
Cyber Warfare Officers	Enlisted	Marines, Air Force, Space Force, Coast Guard	\$ 79,947
Network and Database Administrators	Enlisted	Army, Marines, Navy, Air Force, Coast Guard	\$ 84,064
Cyber-Operations Officers	Officer	Army, Marines, Navy, Air Force, Space Force, Coast Guard	\$ 91,255

EMPLOYMENT NOTES

BLS projects faster than average growth for Computer and Information Technology occupations with median wages \$105,990, above the median wage of \$49,500 for all occupations.

According to CareerOneStop

- Three (3) Information Technology occupations appear on the top 10 Fastest-Growing Careers list.
- Digital Technology Career Cluster exploration shares that "new tech jobs are projected to outpace most other jobs, both to replace workers who retire and to fill new jobs."

ESD 2024 Labor Market and Economic Report (December 2024) *Employment Projections* shows Computer and Mathematical is the #1 projected occupational growth group for 2022 to 2032 in the State of Washington.

TOP EMPLOYMENT IMPORTANT QUALITIES

- Adept at researching and at examining and interpreting findings.
- Write code, analyze data, develop or improve algorithms, and use data visualization tools. Use statistical methods to collect and organize data.
- Convey the results of analysis to technical and nontechnical audiences to make business recommendations.
- Understand and design and develop statistical models and analyze data.
- Devise solutions to the problems encountered in data collection, cleaning, and developing statistical models and algorithms.
- Use logic and reasoning to identify alternative solutions or approaches to the processes and systems.
- Collaborate with workers across an organization.
- Convey complex information, both orally and in writing, to technical and nontechnical audiences.

ENTRY-LEVEL CERTIFICATIONS

Core certifications identified for jobs with no or minimal high education requirement

CareerOneStop Certification Finder

Core level certification recommendations for jobs requiring associate degree or less for entry include:

- Pre-Engineering Certification
- Microsoft Fundamentals
 - Azure
 - Dynamics 365
 - Office 365
 - Identity and Access Administrator Associate
 - Information Protection and Compliance Administrator Associate
- Google Associate Cloud Engineer (ACE)
- SAP Certified Associate
- Cisco Certifications
- Apple Certified Support Professional
- Juniper Networks
- Nokia
- CompTIA

SOURCES

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<https://www.bls.gov/ooh/>

Individual occupation details Summary, How to Become One, Pay, Job Outlook, and Similar Occupations were the most used sections from the following Occupation Groups:

- Computer and Information Technology
- Math

CareerOneStop (2026) | <https://www.careeronestop.org/>

Explore Careers / Career Clusters in Digital Technology Toolkit

- Certification Finder
- Fastest Growing Careers

Employment Security Department, Washington State

<https://esd.wa.gov/jobs-and-training/labor-market-information>

- Occupations in Demand List (11.07.2025 Labor Market Data)
- 2024 Labor Market and Economic Report (December 2024)

Today's Military (visited February 2026)

<https://www.todayismilitary.com/careers-benefits/explore-careers>

- Business & Financial Services

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