



**Center of Excellence**  
for information & computing technology

**Washington State Community  
and Technical Colleges**

**2011 Information  
Technology Programs**



# What is Information and Computer Technology (ICT)?

Information and computer technologies play an integral role in the 21st century world – from cell phones and PDAs, video games, ATM machines, GPS navigation, computers to cars and MP3 players. As an ICT professional you will be developing and working with technologies that haven't even been invented yet. Because ICT is ubiquitous that means you will be employable in every industry – agriculture, aerospace, energy, health, manufacturing, telecommunications, or transportation. With no constraints you can take your passion and merge it with a career in ICT. You'll be able to choose the type of company you want to work in either the for-profit world of large corporations and small businesses or the non-profit sectors of state and national government, city councils, or education.

Within the ICT industry, web and application hosting and streaming services are expected to grow by 53 percent. Software publishing is projected to grow by 30 percent as organizations of all types continue to adopt the newest software products. Employment in computer systems design and related services is expected to increase by 45 percent, accounting for nearly one-fourth of all new jobs in this industry sector. Employment growth will be driven by growing demand for the design and integration of sophisticated networks and Internet and intranet sites. Employment in management, scientific, and technical consulting services is anticipated to expand at a staggering 83 percent, making up about 31 percent of job growth in this sector. Demand for these services will be spurred by businesses' continued need for advice on planning and logistics, the implementation of new technologies, and compliance with workplace safety, environmental, and employment regulations. (Source: U.S. Department of Labor).

## Why Should I Consider a Career in ICT?

A career in ICT offers exciting and diverse job opportunities. ICT professionals are in demand across all sectors of the economy not just in the U.S., but globally. A career as an ICT professional opens the door to a great salary, varied employment responsibilities, and the opportunity for global travel.

One of the best ways to start your career is to enroll in a degree or certificate program in an ICT field at a

Washington State Community or Technical College. Careers range from the purely technical to those that have a strong business development focus.

## What are some job titles for which you will find education resources in this guide?

- Casino Slot Technician
- Computer Application Specialist
- Computer Programmer
- Computer Software Specialist
- Computer Support Specialist
- Consultant
- Database Administrator
- Database Development
- Database Support
- Desktop Services Analyst
- Digital Imaging Support Specialist
- Equipment Vendor Representative
- Game Developer
- Graphic Design & Publication Layout
- Help Desk Technician
- IT Help Desk Support Technician
- IT Information Assurance Technician
- IT Network Technician
- IT PC Repair Technician
- LAN / WAN Administrator
- Manager of Business Computer Systems
- Network Administrator
- Network Designer
- Network Specialist
- Network Technologist
- PC Network Technician
- PC Support Specialist
- Professional Equipment Sales Representative
- Project Manager Assistant
- Response Line Representative
- Security Administrator
- Software Developer
- Software Engineer
- System Analyst
- System Programmer
- Systems Administrator
- Technical Support Specialist
- Training and Support Coordinator
- Web Design & Development
- Web Specialist
- Webmaster

*Note: Anywhere there is a (T) after a degree title, it indicates it is a transfer degree. If there is a (and, transfer) that indicates the two options are either a technical associate or a transfer associate degree.*

### Program Overview:

In the ICT industry, careers in database management and database development are currently counted among the fastest growing occupations, and are projected to remain so over the next decade. With the increased use of wireless and mobile devices over recent years, there is a growing demand for technicians and specialists in the telecommunications industry. If you're interested in a satisfying career with strong salary potential, this may be the field for you.

### Students Develop Skills in:

- CISCO networking and security
- computer hardware
- desktop applications
- fiber optics and cabling
- file management
- hardware and software troubleshooting
- local area networks (LANs) administration
- network operating systems
- operating systems
- programming languages
- routing technology
- system security techniques
- web design and maintenance
- wide area networks (WANS)

### Degree Options:

#### Associate

- Computer Network Systems Technician
- Database Technology AT and AAS-T
- Digital Media AT
- Information Technology Specialist
- Software Development AT and AAS-T
- Web Development AT and AAS-T
- Wireless Voice and Data Communication

### Certificate Options:

- A+/MCP Certification Training
- Business Application Development
- Computer Repair and Network Support
- Database Technician
- Home Technology Integration
- Web Technician
- Wireless Voice and Data Communication

### Contact Information:

Laurie Arnold  
larnold@bates.ctc.edu  
(253) 680 -7007





### Program Overview:

Bellevue College has two main ICT programs: Information Systems and Networking Services. Each have tracks providing emphasis on specific technologies. The Information Systems program is designed to educate software professionals for careers as developers or system analyst careers. It provides maximum flexibility for students entering the ICT field. Students specialize in one of three areas: Software Development, Business Intelligence, or Database Administration. The Network Services program focuses on how computers communicate and work together to ensure the security and effective operation of a company's computer networks. Students specialize in one of three areas: Operating Systems, Applications Support, or Routers and Network Infrastructure. The latter options cover competencies towards specific industry certification. Students who have completed both the Associate in Arts degree in NSCOM and the Associate in Arts and Sciences DTA are eligible to earn a Bachelor degree in Applied Technology degree at Bellevue College through Eastern Washington University via the Eastern at Bellevue partnership program. The Digital Media Arts program is designed for students interested in studying the creation, use, and management of high-quality digital media content. The primary focus is on the application of digital tools to create videos, games, 3D animations, screen designs and digital graphics in a project-based, hands-on learning environment. Course work prepares graduates to work as freelancers or in a variety of industries as digital media creators and content managers.

### Students Develop Skills in:

- animation
- administration
- business intelligence
- customer service
- databases
- gaming
- hardware
- networking

- programming
- system design
- security
- technical support
- video production
- web design and development

### Degree Options:

#### Associate in Arts

- Animation and graphics
- Information systems
- Network services and computing systems

### Certificates Options:

- Animation and graphics
- Cisco support technician
- Database administration specialist
- Digital gaming
- Digital video
- Intermediate applications developer
- Introductory .NET programming
- Introductory C++ programming
- Network support
- Microcomputer support specialist
- Microsoft network support
- Programming for web development
- Relational database analyst
- Relational database developer
- Web multimedia authoring

### Contact Information:

studyIT@bellevuecollege.edu  
(425) 564-2311





# Computer Networking

## Program Overview:

The Computer Network Technology program offers an Associate in Applied Science degree in Computer Network Technology and a certificate in Computer Network Support. Students are prepared to manage computer network systems through a combination of classroom theory and practical application. They develop the knowledge and skills to troubleshoot and repair computer systems and design, install, and maintain Local Area Networks (LANs). This program prepares students for obtaining industry standard certifications such as Microsoft Certified Professional (MCP), A+, Network +, and Linux+. The Computer Software Support Technology program prepares students for employment in jobs such as Computer Support Specialist, Technical Support, Computer Software Specialist, or Help Desk Technician. It also prepares them for obtaining industry certifications such as Microsoft Certified Professional (MCP), A+, and Network+. Students will gain a working knowledge of a variety of computer software and fundamental office and customer service skills as well as specialized computer skills and knowledge.

## Students Develop Skills in:

- customer service
- databases
- introductory programming concepts
- hardware
- networking
- operating systems
- presentation graphics
- spreadsheets
- web design
- word processing

## Degree Options:

### Associate in Applied Science

- Computer Network Technology
- Computer Software Support

## Certificate Options:

- Computer Application Specialist
- Computer Network Support

## Contact Information:

### Business & Computer Information Systems

Jack Wollens  
jwollens@btc.ctc.edu  
(360) 752-8364

### Computer Network Technology

Lee Falta  
lfalta@btc.ctc.edu  
(360) 752-8419



### Program Overview:

The Computer Science programs are currently undergoing a redesign process. The new programs will focus on programming (advanced programming and web programming and design) and network and systems administration. The programs will prepare students for technical careers and transfer options to complete their four-year degree at a university or college. Articulation for the program degrees is currently in-process. The programs will prepare students for careers in software programming and engineering, web development programming and design, or network or systems administration. Careers in programming and systems and network administration are currently counted among the fastest growing occupations, and are projected to remain so over the next decade.

### Students Develop Skills in:

- computer hardware
- database development and design
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- network operating systems
- operating systems
- programming languages
- system administration
- web design
- web programming

### Degree Options:

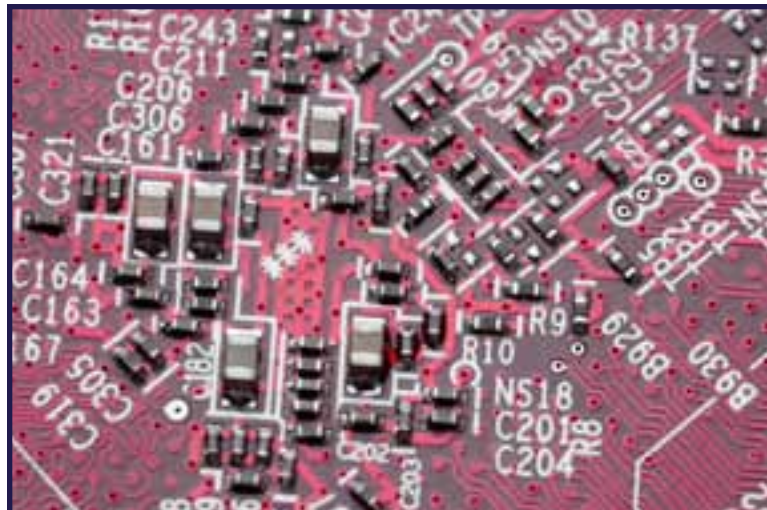
- Advanced Programming
- Computing Systems
- Microcomputer Specialist
- Network or Systems Administration
- Web Programming & Design

### Certificate Options:

- Cisco Network Academy
- Microsoft Cert Software Engineering

### Contact Information:

Connie Rodriquez  
connier@bigbend.edu  
(509) 793-2045





### Program Overview:

These programs prepare students to work both independently and as part of a team to design, implement, and maintain an organization's hardware and software network.

### Students Develop Skills in:

- computer hardware
- database development and design
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- network operating systems
- programming languages
- system administration
- security design
- technical support
- web design
- web programming

### Degree Options:

#### Associate in Applied Science

- Network Technology
- Web Applications

### Certificate Options:

- Computer Programming Foundations
- Database Development
- JavaScript Programming
- Network Specialist
- PC Network Technician
- Software Testing Specialist
- Technical Support Specialist
- Web Foundations

### Contact Information:

Mike Panitz  
mpanitz@cascadia.edu  
(425) 352-8211







# Computer Science Technology

## Program Overview:

The Associate in Arts (AA) degree with Computer Science emphasis is for students interested in transferring to a four-year college or university to complete a bachelor's degree in computer science. The AA degree represents the broad knowledge generally acquired in the first two years of a four-year program leading to a Bachelor of Arts degree. When you have earned the AA from Centralia College, you may transfer to a baccalaureate institution within the state of Washington with assurance that you have satisfied the basic requirements (General University Requirements or Distribution Requirements). This means, generally, that AA transfer students can begin work on their specialized, major-area course-work as soon as they transfer.

The Computer Science Technology AA provides students with training in object oriented languages and multimedia programming and the hardware and software skills necessary to compete for entry-level employment in the computer programming industry. Students should work closely with their advisor when selecting electives to assure their educational goals are met.

## Students Develop Skills in:

- code dynamic web pages.
- install and operate simple web servers.
- install and configure routers in small-scale networks using rip, ospf and/or igrp.
- install and configure security programs.
- install and configure tcp/ip protocols.
- script static web pages.

## Degree Options:

### Associate in Applied Science

- Computer Science Technology

## Certificate Options:

- Information Technology Data Specialist

## Contact Information:

David Lalond  
dlalond@centralia.edu  
(360) 736-9391 ext. 282





# Computer Technology

## Program Overview:

Clark College offers beginning computer classes as well as computer language courses recommended for lower division studies leading to a four-year degree in computer science. Students seeking a transfer degree should work with department advisors.

## Students Develop Skills in:

- application integration
- applications software
- communication
- computer network operations
- maintaining technical documents
- microcomputer hardware and software
- networking standards
- planning and building networks
- problem solving
- software solutions development
- troubleshooting networks

## Degree Options:

### Associate in Applied Arts and Science

- Computer Network Administrator
- Microcomputer Support Specialist
- Microsoft Network Technologies – AAT
- Software Solutions Development
- Web Design & Development – AAT

## Certificate Options:

- Datacenter Technician
- Graphic Comm/Web & Multimedia
- Microsoft Network Technician
- Microcomputer Support Specialist
- Software Solutions Development Database Development
- Software Solutions Development Web Programming
- Software Solutions Development Specialist

## Contact Information:

William Hafer  
whafer@clark.edu  
(360) 992-2816



### Program Overview:

This program prepares students for careers involving the protection of information on computers and networks against unauthorized access or modification of information, and against the denial of service to authorized users. It includes those security measures, both physical and virtual, necessary to detect, document, and counter such threats. Curriculum content includes basic and advanced computer and networking skills, physical and virtual security processes and procedures, and introduction to security management, planning, and recovery as well as other related Information Technology positions.

The AAT or AAS-T degree is earned by completing technical core requirements, general education requirements, and choosing one specialty option (Option 1: Cisco Network Design & Security; or Option 2: Computer & Communications Security; or Option 3: Microsoft Network Administration & Security).

### Students Develop Skills in:

- computer forensics
- computer hardware
- desktop applications
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- network operating systems
- operating systems (Microsoft and Linux)
- routing technology
- system security techniques
- web security

### Degree Options:

#### Associate of Applied Technology

#### Associate of Applied Science (T)

- Applications Systems Technology
- Computer Information Technology
  - Database Programming
  - Media Design & Production
  - Web Programming
- Computer Networking and Information Systems Security
  - Cisco Network Design & Security
  - Computer & Communications Security
  - Microsoft Network Administration & Security

### Certificate Options:

- Computer Programmer
- Cisco Network Academy
- Design & Implement Wireless LANs
- Network+ Certification Prep
- Web/Database Developer

### Contact Information:

(253) 589-5791

[www.cptc.edu/CISS](http://www.cptc.edu/CISS)

Or,

Kelly Hollowell

[Kelly.Hollowell@cptc.edu](mailto:Kelly.Hollowell@cptc.edu)





### Program Overview:

Throughout the economic ups and downs of the past 20 years the Information Technology field has faced a shortage of qualified professionals. This critical shortage is projected to continue over the next decade, which means that there are excellent job opportunities in the IT field. If you're interested in a satisfying career with strong salary potential the CBC Computer Science Department has a variety of programs to help you prepare for a job in IT. Students at CBC receive an education with hands-on experience in a broad range of technical subjects and interpersonal skills designed to provide a well rounded set of IT skills combined with the specialized computer knowledge that employers are looking for. New students may apply to CBC and begin taking Computer Science classes any quarter of the year. Classes are offered in the traditional format, day and night, and online.

Students may earn a two-year Associate in Applied Science (AAS) degree, which has the six options shown below. All students working towards an AAS degree take a common set of core classes, which provide a solid foundation of IT skills, plus a set of specialized classes which provide the specific skills necessary to work in the student's area of choice. Furthermore, students may earn a one-year programming certificate in VB.Net, C#.Net, or C++.



Students pursuing a four-year degree may transfer directly into the Bachelor of Applied Science at CBC. In addition, the Computer Science department has direct articulation agreements with WSU, City University, CWU, EWU, and the University of Phoenix. Students may optionally choose to pursue a two-year AST degree, which will be honored at any Washington state baccalaureate institution. (The details of the AST degree are available in the Degrees & Certificates section in the front of the CBC catalog.)

### Students Develop Skills in:

- animation
- customer service
- database development and design
- desktop and network operating systems
- desktop applications
- digital graphics & design
- hardware and software troubleshooting
- programming
- system and network administration and security
- system and network hardware and design
- web design and development

### Degree Options:

#### Associate of Applied Science

- Database Administrator
  - Help Desk Technician
  - Internet Specialist
  - Multimedia
  - Network Administrator
  - Programmer

### Certificate Options:

- VB.Net
- C#.Net
- C++

### Contact Information

Debbie Wolf

Phone: (509) 542-4838

[dwolf@columbiabasin.edu](mailto:dwolf@columbiabasin.edu)

### Program Overview:

Edmonds Community College offers programs to prepare students for a variety of high-tech careers with great salaries. Both two-year associate degrees and one-year certificates are offered. The program also prepares students to transfer to a 4 year institution with a Computer Science transfer degree and our ATA degrees transfer to Central Washington University (CWU) towards a degree in Information Technology and Administrative Management.

### Students Develop Skills in:

- CISCO networking including routing & switching
- computer hardware repair & maintenance
- database theory & design
- desktop applications
- digital forensics analysis
- hardware and software troubleshooting
- network administration
- operating systems
- programming
- software engineering
- systems analysis
- web design and programming

### Degree Options:

#### Associate of Technical Arts

- Cisco Networking
- Computer Information Systems
- Database Information Technologies
- Information Security and Digital Forensics
- Network Security Specialist
- Network Technology
- Web Applications Developer

### Certificate Options:

- Business System Analyst
- Desktop Support Specialist
- Digital Forensics
- Game Development
- Linux Security Specialist
- Network Security Specialist
- Network Technology
- Server Administration
- Unix/C++
- Web Development
- Windows/C++

### Contact Information:

Program Manager  
[cispa@edcc.edu](mailto:cispa@edcc.edu)  
(425) 640-1902



### Program Overview:

Everett Community College offers a variety of professional-technical programs in high demand occupations. Short-term training, certificates and a variety of specific Associate in Technical Arts (ATA) degrees provide many options for students seeking to sharpen skills and enter or advance within their careers. Students interested in Computer Information Technology have several options, which are described below. One option is to pursue the Associate of Science Degree (AS) for the purpose of preparing for transfer to a university to major in computer science (Software Engineering). Another option is to pursue the Associate of Applied Science Degree (AAS-T) for the purpose of transferring into the Central Washington University program (Technical Support). A third option is to pursue the Associate of Technical Arts Degree (ATA) which is similar to the transfer degree with less stringent General Education requirements.

### Students Develop Skills in:

- cabling fundamentals
- communicating with peers, clients and supervisors
- data management and protection
- hardware repair

- internet connectivity using TCP/IP protocols
- maintaining technical documents
- networking standards
- planning and building networks
- planning and implementing security policies
- software deployment and support
- troubleshooting networks

### Degree Options:

#### **Associate in Applied Science**

#### **Associate of Science (and, transfer)**

- Computer Science

#### **Associate of Technology Arts (ATA)**

- Visual Communication
  - Digital Illustration
  - Graphic Design
  - Web Design

### Certificate Options:

- Casino Gaming Systems
- Computer Support Technician I & II
- Internet Programming (Web & Database)
- Project Management

### Contact Information

Michael Crehan  
mcrehan@everettcc.edu  
(425) 388-9048







## Information Technology

### Program Overview:

The Information Technology degree and certificate programs prepare students for entry-level employment in a variety of IT positions, including: PC repair technician, help-desk support technician, technical support specialist, network technician, computer security specialist/information assurance technician, and network or computer systems administrator. Students in these degree programs receive education and training in a broad range of subjects, resulting in a balanced, well-rounded knowledge of Information Technology.

### Students Develop Skills in:

- computer hardware
- customer service
- desktop applications
- file management
- hardware and software troubleshooting
- help desk
- network administration
- network operating systems
- operating systems
- PC hardware and software
- programming languages
- project management
- security
- server software
- system administration
- system security techniques
- troubleshooting
- wireless networking

### Degree Options:

#### Associate in Applied Science (T)

- Information Technology
  - Computer Support Specialist
  - IT Information Assurance
  - IT Networking
  - IT Networking Infrastructure
  - IT Systems

#### Associate Pre-Professional

- Information Technology
  - Computer and Software Systems

### Certificate Options:

#### Certificate of Proficiency

- IT Information Assurance Technician
- IT Help Desk Support Technician
- IT Network Technician
- IT PC Repair Technician

### Contact Information:

Alan Carter  
acarter@greenriver.edu  
(253) 833-9111 ext. 4630



### Program Overview:

The Computer Science / Computer Information Systems (CSCI/CIS) Department provides courses and programs designed to prepare students with the technical skills and knowledge to be successful in a variety of Information Technology related careers. Students graduating from CSCI/CIS pursue careers as Web Designers, Web Developers, Network Specialists, or specialists in Computer Forensics or Data Recovery.

### Students Develop Skills in:

- computer hardware
- data recovery
- file management
- hardware and software
- network administration
- operating systems
- programming languages
- network forensics
- routing technology
- server-side scripting
- system security techniques
- 3D graphic and gaming applications

### Degree Options:

#### **Associate in Applied Science (T)**

- Computer Science

#### **Associate in Applied Science**

- Data Recovery & Forensics
- Graphics Production-Print Media
- Information Systems Project Coordinator
- Network Specialist
- Web Database Developer

### Certificate Options:

- Data Recovery & Forensics
- Gaming
- Networking
- UNIX/Linux System Administration
- Web/Database Developer

### Contact Information:

Rav Kang  
rkang@highline.edu  
(206) 878-3710 ext. 3337



## Program Overview:

The Computer & Information Technology program is designed to prepare individuals to work as entry-level application developers within an organization. Students will acquire the skills to design, code, implement, and maintain programs and database systems that provide computer-based solutions to business problems. The Computer & Information Technology degree program offers the students an opportunity to further develop skills in greater depth. In the final term students collaborate on a project that simulates a real-life team-based applications development environment, or complete an industry-based internship.

## Students Develop Skills in:

- coding
- creating solutions utilizing appropriate software tools
- debugging programs and software applications
- designing programs and software applications
- programming
- software engineering
- understanding and analyzing software related problems

## Degree Options:

- Animation Game Design
- Architectural Graphics
- Bachelor of Technology in Applied Design
- Civil Engineering Graphics

## Associate in Applied Science

- Civil Engineering Graphics Emphasis
- Computer Security & Network Technician
- Engineering Graphics
- Multimedia Design & Production
- Video and Web Production

## Certificate of Proficiency

- Civil Engineering Graphics Emphasis
- Engineering Graphics Technician
- IT Support Technician
- Landscape Design Graphics
- Network Support Technician
- Print Design
- Tool Design Graphics
- Video and Web Production
- Web Design

## Certificate of Completion

- Digital Audio/Video Editing
- Illustrator/PhotoShop Specialty
- Linux Security & Networking
- Print Specialty
- Web Page Development
- Web Server Applications
- Web Specialty

## Contact Information:

Paul Axtel  
paul.axtel@lwtc.edu  
(425) 739-8493 ext. 493







## Computer Science

### Program Overview:

The Computer Specialist program serves students seeking a two-year AAS (T) degree by providing skills and training pertinent to the work place and the computing industry. Qualify for entry-level employment as a computer support specialist, utilizing skills in networking, programming, and applications support by successfully completing program requirements and select areas of emphasis.

### Students Develop Skills in:

- application development using at least one of the following languages: C++, Java, and Visual Basic.
- applying basic security concepts to computers in a local area network.
- best practices in customer service
- design modeling and SQL related to databases
- designing a network security plan and use a variety of network security tools.
- examination preparation for the a+ hardware certification.

- functioning as members of teams to implement projects.
- networking
- operating systems
- requirements for the network+ certification.
- spreadsheets
- web pages using XHTML and CSS.

### Degree Options:

#### Associate in Applied Science (and transfer)

- Computing Specialist

### Certificate Options:

- Help Desk Technician
- Networking
- Programming
- Web Development

### Contact Information:

David Rosi  
drosi@lowercolumbia.edu  
(360) 422-2717





### Program Overview:

North Seattle's Information Technology (IT) program is designed to give students the skills and background employers want - whatever your career goal or experience level. Whether they are building IT knowledge on an existing knowledge base, upgrading your skills, or just starting to train for a career, NSCC's programs can prepare students for the next wave of IT positions with IT courses that provide a foundation of IT skills for a variety of workplaces.

### Students Develop Skills in:

- computer hardware
- database development
- desktop applications
- file management
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- network operating systems
- operating systems
- routing technology
- system security techniques

### Degree Options:

#### Associate of Applied Science (T)

- IT Network Infrastructure & Security Support Specialist

### Certificate Options:

- IT Network Infrastructure and Security Support Specialist
- Unix/Linux
- Windows Server

### Contact Information:

Betsy Campbell  
bcampbel@sccd.ctc.edu  
(206) 528-4524



### Program Overview:

The Computer Information Systems program prepares its graduates to obtain employment and become productive IT support personnel in a business-oriented systems environment. This modular program allows students to custom design their degree based on their needs within a series of certificates that make up the core of this degree.

Courses prepare students for industry certifications, such as A+, CISSP, CCNA and MCP, in the areas of Cisco, Microsoft, Security, Technical Support, Networking and Project Management. Students can take these and other industry certification exams at the Olympic College Testing Center.

### Students Develop Skills in:

- analyzing, designing, and building application solutions
- business communication
- business management
- create network solutions
- deploying IT security solutions
- developing web solutions
- project management
- using computers to automate business information systems
- working in teams

### Degree Options:

#### Associate in Applied Science

- Information Systems Specialist

#### Associate in Technical Arts

- Computer Information Systems

### Certificate Options:

- Network Support Technician
- Technical Support

For short-term certificates of recognition go to:  
<http://www.olympic.edu/Students/Degrees/Certificates/ProfessionalTechnicalPrograms/ComputerInformationSystems/>

### Contact Information:

Don Bergman  
(360) 475-7377  
[dbergman@olympic.edu](mailto:dbergman@olympic.edu)  
<http://faculty.olympic.edu/dbergman>

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<http://faculty.olympic.edu/mwestlund>





**Program Overview:**

The Associate of Applied Science (AAS) degree in Information Technology – IT Administrator\ Business will train and educate students using industry-based skill standards. Students will learn to design, implement and support network technology on various operating systems. Students will learn about fundamental business language concepts and effective business communication skills. Additionally, students will receive the training necessary to take some Microsoft and Linux certification exams.

The Peninsula College's Computer Applications Technology (CAT) department provides training in software applications from basic skills to the expert level, depending on the level of need. The skills taught in this program are the most frequently requested competencies sought by employers throughout all industries.

**Students Develop Skills in:**

- computer hardware
- database administration
- desktop applications
- file management
- hardware
- network administration
- network operating systems
- operating systems
- programming languages
- software
- technical support
- web development and design

**Degree Options:****Associate of Applied Science (and, transfer)**

- Computer & Web Applications
- Computer Applications Software Support
- Computer Applications Technology
- Information Technology
  - IT Administrator-Business
- Multimedia Communication
  - Web Design & E-Commerce Tech

**Certificate Options:**

- Application Fundamentals
- Computer Applications Technology
- IT CISCO Network Specialist

**Contact Information:****Computer Applications Technology**

Eduardo Jaramillo  
ejaramillo@pencol.edu

**Information Technology**

Steven Snyder  
ssnyder@pencol.edu  
(360) 417-6245



### Pierce College (Fort Steilacoom) and Pierce College (Puyallup)

#### Program Overview:

Computers of all shapes and sizes perform hundreds of business functions from bookkeeping and recordkeeping to high powered futures analysis and industrial forecasting. They have become essential tools in today's business world, making those with computer skills and knowledge just as essential.

The widespread use of computers for processing technical information has opened a career field which continues to grow. If you're interested in becoming a part of that field, our Computer Information Systems department gives you a variety of choices associated with network engineering, network administration and services with which to build a future.

#### Students Develop Skills in:

- computer hardware
- desktop applications
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- network operating systems
- operating systems
- Unix network security

#### Degree Options:

- Computer Network Engineering
- Digital Design

#### Certificate Options:

- Computer Systems Administration
- Information Technology (ITC)
- Maintenance Technology

#### Contact Information:

Ciaran Bloomer  
Cbloomer@pierce.ctc.edu  
(253) 840-8387





### Program Overview:

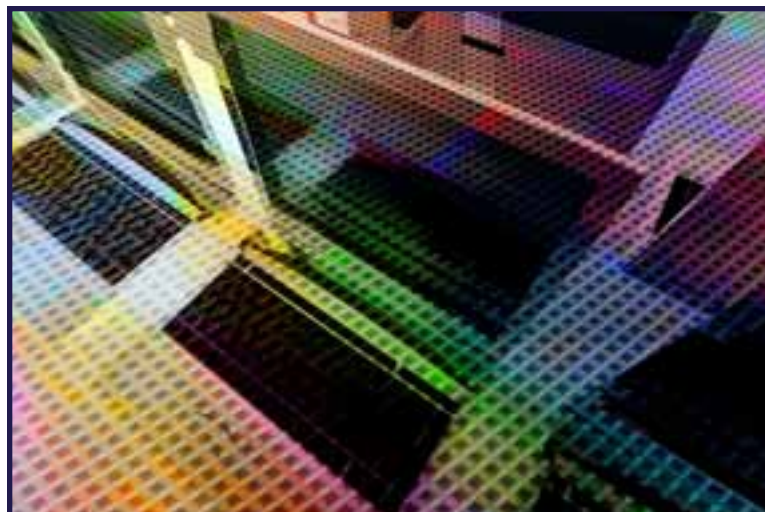
Applications Developer is a one-year certificate option in the two-year Computer Science certificate/degree program. Students enrolled in the Computer Science program may opt to exit in one year after completing the requirements for a certificate as a PC Applications Developer.

The Computer Science program is a follow-on (second year) to the Applications Developer certificate. The student's education is expanded to prepare for entry in various careers in the Information Technology industry. Job titles include:

- Client-Server Application Developer/ Programmer
- Database Developer/Administrator
- Internet Applications Developer/ Webmaster
- IT Project Manager
- Network Administrator/Specialist
- Systems Analyst
- Software Tester

### Students develop skills in:

- e-commerce
- graphics
- IT project management
- Java
- Microsoft Visual Studio.NET, C#
- networking
- project management for Information Technology is presented with hands-on practice using curriculum modeled after the COMPTIA certification content.
- rich internet clients (AJAX, Mobile Web, SharePoint Development)
- software testing
- SQL database development (Microsoft SQL Server)
- web development (ASP.NET)
- XML



### Degree Options:

#### Associate of Applied Sciences Degree

*(Computer Science program only)\*\**

### Certificate Options:

- Certificate of Completion
  - Applications Developer
  - Computer Science

*\*\* Transfer credit from other institutions will be considered upon validation of transcript and course work. Students completing the AAS degree requirements may transfer to City University, DeVry University, and University of Phoenix with junior standing in a variety of business and computer related Bachelor degree programs.*

### Contact Information:

Karen Braunstein-Post  
kpost@rtc.edu  
(425) 235-7818



### Program Overview:

Despite the recent economic downturn, the information technology field is still growing faster than any other section of the economy. The Bureau of Labor Statistics Occupational Outlook Handbook 2008-2009 states: "Employment is expected to increase much faster than the average as organizations continue to expand their use of technology." The Washington State Occupation Explorer confirms these job growth statistics for our state as well. There is a critical shortage of qualified IT professionals, and excellent opportunities exist with both large and small companies and in the public sector.

Seattle Central's Information Technology program offers a varied suite of degrees aligned to current industry needs. The courses are taught by faculty who keep in close contact with industry professionals to consistently update their knowledge and skills to share and support their students.

### Students Develop Skills in:

- database administration
- desktop applications
- hardware and software troubleshooting
- network administration
- network operating systems

- operating systems
- programming languages
- technical support
- web design
- web development

### Degree Options:

#### **Associate of Applied Science (T)**

- Applications Support
- Computer Programming
- Network Design and Administration
- Web Design
- Web Development

### Certificate Options:

- Applications Support
- Business Information Technology
- Cisco Specialist I & II
- Computer Programming
- Computer Support Technician
- Database Design and Administration
- Microsoft Specialist I, II & III
- Network Design and Administration
- Web Design and Web Development

### Contact Information:

Lisa Sandoval  
lsandoval@sccd.ctc.edu  
(206) 287-5558





## Computer Science, Computer Information Systems, Business Technology, Visual Communication Technology

### Program Overview:

These programs help prepare you for jobs in today's computerized work environments. Students complete hands-on computer training in current applications. We study human relations, mathematics, and communications - all essential for success in the workplace. Graduates of the program find employment in a wide variety of office, administrative and technical support positions. Computer Science transfer students thrive at four year universities across the state, country and globe.

The Visual Communications Technology program is designed to provide an integrated foundation of knowledge and practice in visual design principles; graphic and typographic design; photography and video; computer graphic technologies; and offset printing, prepress and new imaging technologies. Students select an area of concentration in graphic design, print production, photography and video, digital interactive media or marketing, based on personal and career interests

### Students Develop Skills in:

- communications
- computer hardware
- desktop applications
- digital interactive media
- human relationships
- problem solving and troubleshooting
- solution development

### Degree Options:

#### Associate of Applied Science

(Associate in Arts &/or Sciences for Computer Science transfer )

- Business Technology or Computer Information Systems
- Visual Communication Technology
  - Digital Arts and Imagery
  - Digital Image Production
  - Digital Interactive Media
  - Graphic Design
  - Marketing

### Certificate Options:

- Business Technology
- Digital Arts and Imagery
- Digital Image Production
- Digital Interactive Media
- Graphic Design
- Marketing

### Contact Information:

Robert Shields  
rshields@shoreline.edu  
(206) 546-4773



## Program Overview:

Computer Information Systems (CIS) is a two-year program that leads to an Associate in Technical Arts (ATA) degree. The program offers a degree in Computer Information Systems and five certificates: Microcomputer Applications, Computer Information Systems, Network Technician, and the Micro Certificates in Computer Forensics, and Database/Programming. The program can be completed completely online in a distance educational format, except for the Computer Forensic certificate. A distance education approach is recommended for self-motivated students with strong computer skills.

## Students Develop Skills in:

- computer hardware
- database and design
- hardware and software troubleshooting
- network support
- operating systems
- programming languages
- security systems

## Degree Options:

### Associate in Technical Arts

- Computer Information Systems

## Certificate Options:

- Computer Forensics
- Computer Information Systems
- Computer Support Technician
- Database & Programming
- Microcomputer Applications
- Network Technician
- Web Assistant

## Contact Information:

Doris Dunn  
doris.dunn@skagit.edu  
(360) 679-5315





## Program Overview:

The Computer Programming and Database Management program is designed for persons interested in writing computer programs in various languages, such as Visual Basic, C# and Java, both stand-alone and web-based. Duties include analysis of business needs and problems, design of software solutions, application of industry standard tools and techniques for software development and preparation of documentation and user training materials applying sound verbal and written skills. The Computer Network Administration Program prepares students for positions in network technical support. Duties include hardware and software support, troubleshooting, customer service and training, user support, email support, and network security. The Office Administration program equips the student with a variety of skills used in large or small businesses through the study of keyboarding, formatting, communications, human relations, management, word processing, spreadsheets, and other related courses. Duties include formatting, composing letters, managing records, and reception duties.

## Students Develop Skills in:

- communication
- database and programming concepts
- develop, create and debug programs
- document, communicate, and resolve customer issues
- ethical responsibilities and consequences
- evaluate and process quantitative and symbolic data
- navigation of relations to others in a multicultural world
- plan and implement database systems
- recognize customer needs
- think logically and critically
- use industry standard programming tools and techniques
- workstation configuration, upgrades, and software installations

## Degree Options:

### Associate in Applied Science (and, transfer)

- Computer Programming

### Associate in Applied Science

- Database Management
- Information Technology Desktop Support
- Network Administration
- Office Administration

## Certificate Options:

- Computer Programming
- Office Administration
- Web Design

## Contact Information:

### Computer Programming

Steve Kollmansberger  
skollmansberger@spscc.ctc.edu  
(360) 596-5307

### Network Administration

George Neal  
gneal@spscc.ctc.edu  
(360) 596-5528

### Office Administration

Jean Logen  
jlogan@spscc.ctc.edu  
(360) 596-5279



### Program Overview:

The program is structured to allow students to update skills or to earn a degree. In the Network Administration degree program, students specialize in design, implementation, security and management of computer networks. Course work includes introductory classes through advanced troubleshooting courses for hardware, operating systems, virtualization, LAN, WAN and wireless environments. The web design courses provide students with skill and tools to start working in the always-expanding field of website creation, design, production artist and upkeep. Elements studied include web page code writing (HTML, XML, ASP), Flash, databases and usability.

All of the Network Administration/Technician and Web specialty courses include hands-on practice. Our Computing Technology program is constantly evolving to be in sync with the fast-changing networking world.

### Students Develop Skills in:

- database design, development, administration
- employability skills
- hardware
- LAN and WAN networks
- network administration
- operating systems
- security
- server setup and Active Directory
- web page development, design, and implementation
- technical support

### Degree Options:

#### Associate of Applied Science (and, transfer)

- Network Administration
- Network Technician

### Certificate Options:

- Web Focus

### Contact Information:

Carol Koepke  
ckoepke@sccd.ctc.edu  
(206) 764-5394



### Program Overview:

The Network Design and Administration program prepares students as local- and wide-area network administrators. Successful completion of the program provides students with the essential skills of network administration including network design, implementation, maintenance, optimization, and troubleshooting. Students utilize a variety of network operating systems, hardware platforms and protocols.

The Software Development program educates students in both web and desktop programming concepts including XHTML, JavaScript, Java, Visual Basic.Net, ASP.Net, Ruby on Rails, C#, SQL, Agile development and other technologies and concepts essential for developing state-of-the-art software. Graduates will demonstrate proper software design patterns, soft skills necessary to work on a team, and research methods required in a highly technologically competitive environment. Upon completion, graduates will have acquired skills necessary to design and write database driven software that runs on the desktop (Windows) and Internet (web pages).

### Students Develop Skills in:

- database administration
- LAN networks
- net development
- network administration
- operating systems
- programming languages
- security
- web programming

### Degree Options:

#### Associate of Applied Science

- Network Design and Administration
- Software Development

### Certificate Options:

- Computer Science
- .Net Developer
- Network Design and Administration
- Unix Networking
- Web Design
- Web Development

### Contact Information:

[cis.scc.spokane.edu](mailto:cis.scc.spokane.edu)

Or,

Echo Rantanen

[ERantanen@scc.spokane.edu](mailto:ERantanen@scc.spokane.edu)

(509) 533-8177





### Program Overview:

The Information Systems & Computer Science Department at Spokane Falls maintains multiple missions.

The three Computer Science degrees provide a transfer capability for students who want to major in computer science or computer engineering. Applicable classes include introduction to computer science CS I and CS II, OOP with C++, C, Java, and beginning and advanced Visual BASIC, computer literacy and UNIX. The Information Technology A.A.S. degree program is designed to provide students with capabilities in several areas of information technology and is transferable to Eastern Washington University. This degree ensures that the student is knowledgeable in a broad spectrum of information technology subjects that are often needed by the IT industry. The first year is made up of mostly core requirements with more specialization in the second year.

### Students Develop Skills in:

- client/server side programming
- computer and network installation
- networking
- programming
- security and forensics skills
- web server installation and maintenance

### Degree Options:

#### **Associate of Applied Science (DTA & T)**

- Computer Science

#### **Associate of Science (T)**

- Computer Engineering Emphasis
- Computer Science Emphasis

#### **Associate of Applied Science**

- Information Technology

### Certificate Options:

- Computer and Network Support
- Computer Forensics & Network Security
- Networking
- 3-D Animation

### Contact Information:

Max Josquin  
maxj@spokanefalls.edu  
(509) 533-3796



### Program Overview:

The first two years of a bachelor's degree in Computer Science may be completed at Tacoma Community College. The program of studies listed below leads to the Associate of Science Degree, Computer Science Specialization. Upon completion of this degree, students may be able to transfer to most four-year colleges and universities as juniors. Although members of the computer science department make every effort to consult with various colleges and universities regarding requirements, students are encouraged to consult catalogs, websites and advisors at their chosen four-year institutions during their freshman year.

In two years or less, students can learn or enhance current skills in Networking & Convergence Technologies. Additionally, Tacoma Community College is ready to improve employment prospects with optional internships, resume and interview workshops, and the many services of our Career Center. Upon completion of training, students may wish to take advantage of industry certification test preparation and testing offered by Tacoma Community College's Testing Center.

### Students Develop Skills in:

- hardware
- networking
- operating systems
- programming
- routing
- security
- server applications
- software applications
- technical support
- wireless networking

### Degree Options:

#### Associate of Science

- Computer Science

#### Associate of Applied Science

- Network & Convergence Technologies

### Certificate Options:

- Help Desk Technician
- Network Administration and Support
- Technical Support

### Contact Information:

#### Computer Science

Gregory Ferencko  
gferencko@tacomacc.edu  
(253) 566-5305

#### Network & Convergence Technologies

Erika Bowles  
ebowles@tacomacc.edu  
(253) 566-5253





## Computer Science

### Program Overview:

Computer Science endeavors to create an understanding of computer operating systems, programming, digital design for the web, and computer applications and hardware allowing the student to solve computer-related problems. Courses are taught in lecture, lab, and cooperative (on-the-job) training formats. Courses are developed by the Computer Science Program Advisory Board, which consists of experts working in local and regional computer-related businesses and senior faculty.

### Students Develop Skills in:

- desktop publishing
- hardware and software troubleshooting
- local area networks (LANs) administration
- network administration
- operating systems
- programming languages
- system security techniques
- web design

### Degree Options:

#### Associate in Applied Arts and Science

- Informatics in Digital Design
- Informatics in Networking
- Informatics in Software Design
- Microcomputer Support & Repair

### Certificate Options:

- Informatics in Digital Design
- Informatics in Networking
- Informatics in Software Design
- Microcomputer Support & Repair

### Contact Information:

Susan Quinn  
susan.quinn@wwcc.edu  
(509) 527-4232





**Program Overview:**

The computer technology department of Wenatchee Valley College offers a variety of certificate and degree programs to meet the needs of both students and the business community. Students can choose to specialize in either programming or networking, or combine courses from both disciplines to fit their needs.

**Students Develop Skills in:**

- hardware and software troubleshooting
- network administration
- network operating systems
- programming languages
- system security techniques
- web design

**Degree Options:****Associate of Technical Studies**

- Network Administration
- Software Development

**Certificate Options:**

- CompTIA A+
- Desktop Support Technician.
- Microsoft Certified Systems Administrator (MCSA)
- Microsoft Certified Systems Engineer (MCSE)
- Network +
- Security +

**Contact Information:**

David Burns  
dburns@wvc.edu  
(509) 682-6656



### Program Overview:

The Computer Information Systems Program includes a variety of degree and certificate options. The program has a special focus in cyber-security, with curriculum that maps to the national INFOSEC Security Standard 4011 and 4013. Join the CIS club and have the opportunity to compete in the Pacific Rim Cyber Defense Competition next year! WCC is a Cisco Networking Academy, so you can prepare to take the Cisco Certified Network Associate certification. You can also take classes that prepare you for the CompTIA A+ certification exam and security+. This program is perfect for the techno-savvy, or the person who would like to be.

The Visual Communications Program prepares students for entry into careers in the print, web, and digital media design fields. The 90-credit curriculum balances the development of conceptual and visual problem solving skills with development of technical skills and knowledge of current industry practices. The program offers two options for specialty study: Graphic Design and Web/Interactive Media Design.

### Students Develop Skills in:

- forensics
- graphic design

- hardware
- information security
- local area network (LAN) administration
- networking
- oral and written communication
- technical support
- web design and development

### Degree Options:

#### Associate in Arts

- Visual Communication

#### Associate in Science

- Computer Information Systems

#### Associate in Science (DTA)

- Computer Science

### Certificate Options:

- Computer Information Systems
- Information Security Professional
- Network Administration
- Technical Support

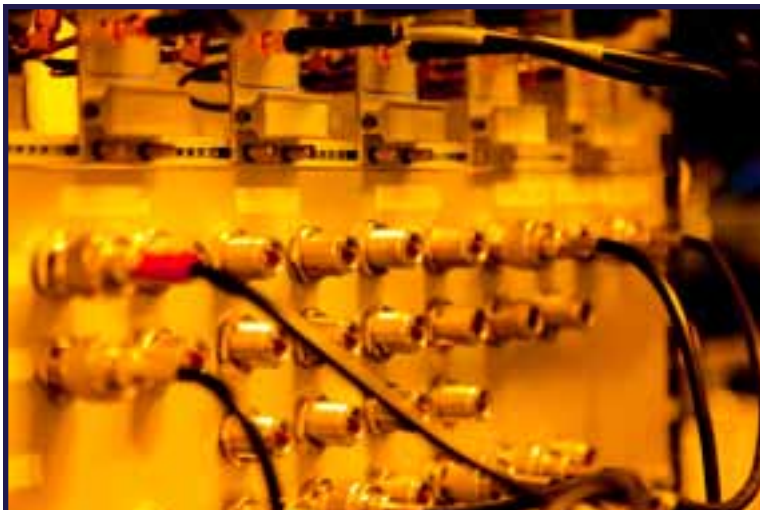
### Contact Information:

#### Computer Information Systems

Corrinne Sande  
csande@whatcom.ctc.edu  
(360) 383-3552

#### Visual Communication

Jackie Landsem  
jlandsem@whatcom.ctc.edu  
(360) 383-3080



### Program Overview:

The Information Technology program promotes success in the profession by effectively equipping students with the technology and communication skills necessary to meet the needs of a changing industry. The faculty is committed to delivering excellent instruction, and the college is dedicated to providing students with the tools to succeed. All full-time faculty have appropriate degrees or certifications. Yakima Valley Community College offers exciting Information Technology degree programs. Our modern facility offers computer classrooms, one hardware classroom, and one CISCO router classroom.

### Students Develop Skills in:

Information Technology degree candidates must complete a 59-credit core which includes courses that present the following concepts:

- communications
- computation
- ethics/law theory
- hardware
- history
- human relations
- internet
- networking
- programming
- software

The core helps students determine which degree they want to work toward and presents a solid foundation in the Information Technology discipline. Students then select a degree option which totals at least 90 credits upon degree completion. Degrees are awarded upon completion of the required degree courses with a minimum GPA of 2.0.

### Degree Options:

#### Associate of Applied Science

- General Degree
- Network Administrator
- Support Specialist
- Web Technologist

### Certificate Options:

#### Information Technology

- General
- IT Computer User

(\* For short-term certificates go to <http://yvccit.com/>)

### Contact Information:

#### Information Technology Program

<http://yvccit.com>

(509) 574-4792

Or,

Stefan Apperson

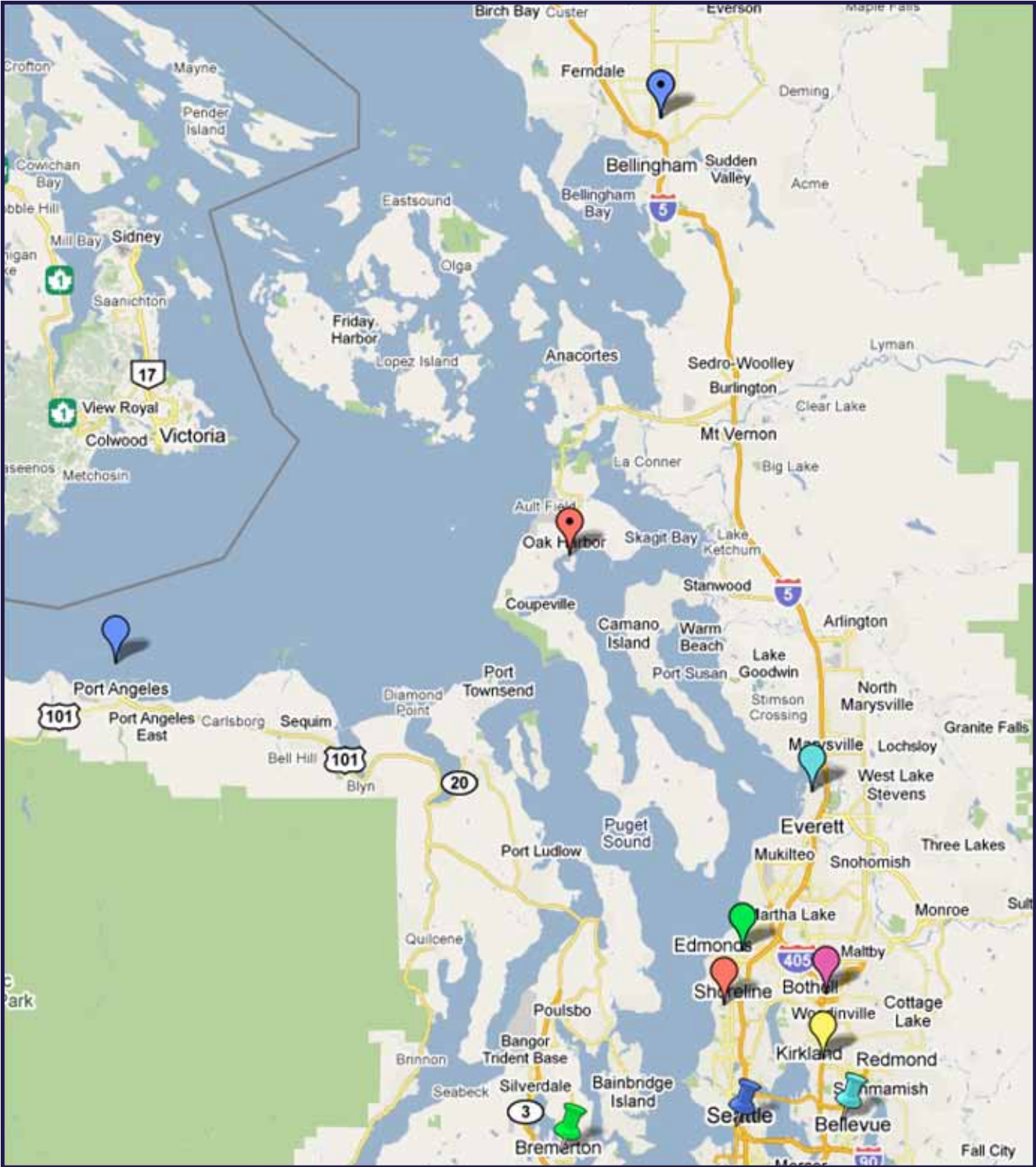
[sapperson@yvcc.edu](mailto:sapperson@yvcc.edu)

(509) 574-4954





# North Western Washington Colleges by City



Source: Google Maps

## Bellevue

### Bellevue College

#### Degrees:

- Information Systems
- Network Services and Computing Systems

#### Certificates:

- Animation and Graphics
- Cisco Support Technician
- Database Administration Specialist
- Digital Gaming
- Digital Video
- Intermediate Applications Developer
- Introductory .NET Programming
- Introductory C++ Programming
- Microsoft Network Support
- Programming for Web Development
- Relational Database Analyst
- Relational Database Developer
- Web Multimedia Authoring

## Bellingham

### Bellingham Technical College

### Whatcom Community College

#### Degrees:

- Computer Forensics
- Computer Information Systems
- Computer Network Technology
- Computer Software Support Technology
- Visual Communication

#### Certificates:

- Computer Application Specialist
- Computer Network Support
- Computer Repair Technician
- Information Security Professional
- Network Administration
- Technical Support

## Bothell

### Cascadia Community College

#### Degrees:

- Network Technology
- Web Applications

#### Certificates:

- Computer Programming Foundations
- Database Development
- JavaScript Programming
- Network Specialist
- PC Network Technician
- Software Testing Specialist
- Technical Support Specialist
- Web Foundations

## Bremerton

### Olympic College

#### Degrees:

- Computer Information Systems
- Information Systems Specialist

#### Certificates:

- Network Support Technician
- Technical Support

## Everett

### Everett Community College

#### Degrees:

- Computer Science
- Visual Communication

#### Certificates:

- Casino Gaming Systems
- Computer Support Technician I & II
- Internet Programming (Web and Database)
- Project Management

## Kirkland

### Lake Washington Technical College

#### Degrees:

- Animation Game Design
- Applied Design
- Architectural Graphics
- Civil Engineering Graphics
- Civil Engineering Graphics Emphasis
- Computer Security & Network Technician
- Engineering Graphics
- Multimedia Design & Production
- Video and Web Production

#### Certificates:

- Civil Engineering Graphics
- Digital Audio/Video Editing
- Engineering Graphics Technician
- Illustrator/Photoshop Specialty
- IT Support Technician
- Landscape Design Graphics
- Linux Security & Networking
- Network Support Technician
- Print Design
- Print Specialty
- Tool Design Graphics
- Video and Web Production
- Web Design
- Web Page Development
- Web Server Applications
- Web Specialty

## Lynnwood

### Edmonds Community College

#### Degrees:

- CIS-CISCO Networking
- Computer Information Systems
- Database Information Technologies
- Information Security and Digital Forensics
- Network Security Specialist
- Network Technology
- Web Applications Developer

#### Certificates:

- Business System Analyst
- Desktop Support Specialist
- Digital Forensics
- Game Development
- Linux Security Specialist
- Network Security Specialist
- Network Technology
- Unix/C++
- Web Development
- Windows/C++

## Mount Vernon

### Skagit Valley College

#### Degrees:

- Computer Information Systems

#### Certificates:

- Computer Forensics
- Computer Information Systems
- Computer Support Technician
- Database and Programming
- Microcomputer Applications
- Network Technician
- Web Assistant

## Port Angeles

### Peninsula College

#### Degrees:

- Computer Applications Software Support
- Computer Applications Technology
- Computer & Web Applications
- IT Administrator-Business
- Multimedia Comm.- Web Design & E-Commerce Technician

#### Certificates:

- Application Fundamentals
- Computer Applications Technology
- IT CISCO Network Specialist

## Seattle

### North Seattle Community College

### Seattle Central Community College

### South Seattle Community College

#### Degrees:

- Applications Support
- Computer Programming
- Information Systems Security
- IT Network Infrastructure and Security
- Film and Video Communications
- Network Design and Administration
- Network Security Specialist
- Network Technician
- Software Applications Development
- Software Development Technology
- Support Specialist
- Web Design
- Web Development

#### Certificates:

- Applications Support
- Business Information Technology
- CISCO Specialist I & II
- Computer Programming
- Computer Support Technician
- Database Design and Administration
- Network Design and Administration
- Microsoft Specialist I, II & III
- Web Design and Web Development

## Shoreline

### Shoreline Community College

#### Degrees:

- Business Technology
- Visual Communication Technology

#### Certificates:

- Digital Arts and Imagery
- Digital Image Production
- Digital Interactive Media
- Graphic Design Marketing

# South Western Washington Colleges by City



Source: Google Maps



## Auburn

### Green River Community College

#### Degrees:

- Computer Support Specialist
- IT Computer and Software Systems
- IT Information Assurance
- IT Networking
- IT Networking Infrastructure
- IT Systems

#### Certificates:

- Help Desk Support Technician
- Information Assurance Technician
- Network Technician
- PC Repair Technician

## Centralia

### Centralia College

#### Degrees:

- Computer Network Administrator
- Microcomputer Support Specialist
- Software Solutions Development

#### Certificates:

- JavaScript Programming
- Network Specialist
- Technical Specialist
- Web Foundations

## Des Moines

### Highline Community College

#### Degrees:

- Computer Science
- Data Recovery and Forensics
- Graphics Production-Print Media
- Information Systems Project Coordinator
- Network Specialist
- Web Database Developer

#### Certificates:

- Data Recovery and Forensics
- Gaming
- Networking
- Unix/Linux System Administration
- Web/Database Developer

## Lakewood

### Clover Park Technical College

### Pierce College

#### Degrees:

- Computer Information Technology
- Computer Networking & Information Systems Security
- Computer Network Engineering
- Digital Design

#### Certificates:

- Cisco Network Design & Security
- Computer & Communications Security
- Computer Programmer
- Computer Systems Administration
- Database Developer
- Information System Security Professional
- Microsoft Network Admin & Security
- .Net Developer

## Longview

### Lower Columbia College

#### Degrees:

- Computer Science
- #### Certificates:
- Help Desk Technician
  - Networking
  - Programming
  - Web Development Web Developer

## Olympia

### South Puget Sound Community College

#### Degrees:

- Computer Programming
- Database Management
- Information Technology Desktop Support
- Office Administration
- Network Administration

#### Certificates:

- Computer Programming
- Office Administration
- Web Design

## Renton

### Renton Technical College

#### Degrees:

- Applications Developer
- Computer Science

#### Certificates:

- Applications Developer
- Computer Programming
- Computer Science

## Tacoma

### Bates Technical College Tacoma Community College

#### Degrees:

- Computer Networking Systems Technician
- Computer Repair & Network Support
- Computer Science
- Digital Media AT
- Network and Convergence Technologies
- Software Development
- Web Development

#### Certificates:

- A+ Computer Hardware Certification
- CCENT Cisco Certified Entry Networking Technician
- CCNA Cisco Certified Network Academy
- CCNP Cisco Certified Network Professional
- Certified Fiber Optic Technician
- Comp TIA A+
- Help Desk Technician
- MCP Microsoft Certified Professional
- MCP Microsoft Certified Professional +Internet
- MCSE Microsoft Certified Systems Engineer
- MOS Microsoft Office Specialist
- Network Administration and Support
- Network Cabling Specialist
- Network+
- Oracle Database Administration
- Security+
- Technical Support

## Vancouver

### Clark College

#### Degrees:

- Computer Network Administrator
- Microcomputer Support Specialist
- Microsoft Network Technologies- AAT
- Software Solutions Development
- Web Design & Development- AAT

#### Certificates:

- Database Development
- Datacenter Technician
- Graphic Communication /Web & Multimedia
- Microsoft Network Technician
- Microcomputer Support Specialist
- Software Solutions Development
- Software Solutions Development
- Software Solutions Development Specialist
- Web Programming



Source: Google Maps

## Moses Lake



### Big Bend Community College

#### Degrees:

- Advanced Programming
- Computing Systems
- Microcomputer Specialist
- Network or Systems Administration
- Web Programming & Design

#### Certificates:

- Cisco Networking Academy
- Microsoft Certified Systems Engineering

## Pasco



### Columbia Basin College

#### Degrees:

- Database Administrator
- Helpdesk Technician
- Internet Specialist
- Multimedia
- Network Administrator
- Programmer

#### Certificates:

- C++ Programming
- C#.Net Programming
- VB.Net Programming

## Spokane



### Spokane Community College

### Spokane Falls CC

#### Degrees:

- Computer Engineering Emphasis
- Computer Science
- Computer Science Emphasis
- Computer System support
- Information Technology
- Network Administration
- Network Design and Administration
- Software Development
- Website development

#### Certificates:

- .Net Developer
- 3-D Animation
- CISCO
- Computer and Network Support
- Computer Forensics and Network Security
- Computer/Repair Support
- Computer Science
- Computing Software Applications
- Internet
- Internet with Networking Option
- Linux
- MCSA Certification
- Network Administration
- Network Design and Administration
- Unix Networking
- Web Design
- Web Development

## Walla Walla



### Walla Walla Community College

#### Degrees:

- Informatics in Digital Design
- Informatics in Networking
- Informatics in Software Design
- Microcomputer Support & Repair

#### Certificates:

- Informatics in Digital Design
- Informatics in Networking
- Informatics in Software Design
- Microcomputer Support & Repair

## Wenatchee



### Wenatchee Valley College

#### Degrees:

- Network Administration
- Software Development

#### Certificates:

- CompTIA A+
- Desktop Support Technician
- Microsoft Certified Systems Administrator (MCSA)
- Microsoft Certified Systems Engineer (MCSE)
- Network +
- Security +

## Yakima



### Yakima Valley Community College

#### Degrees:

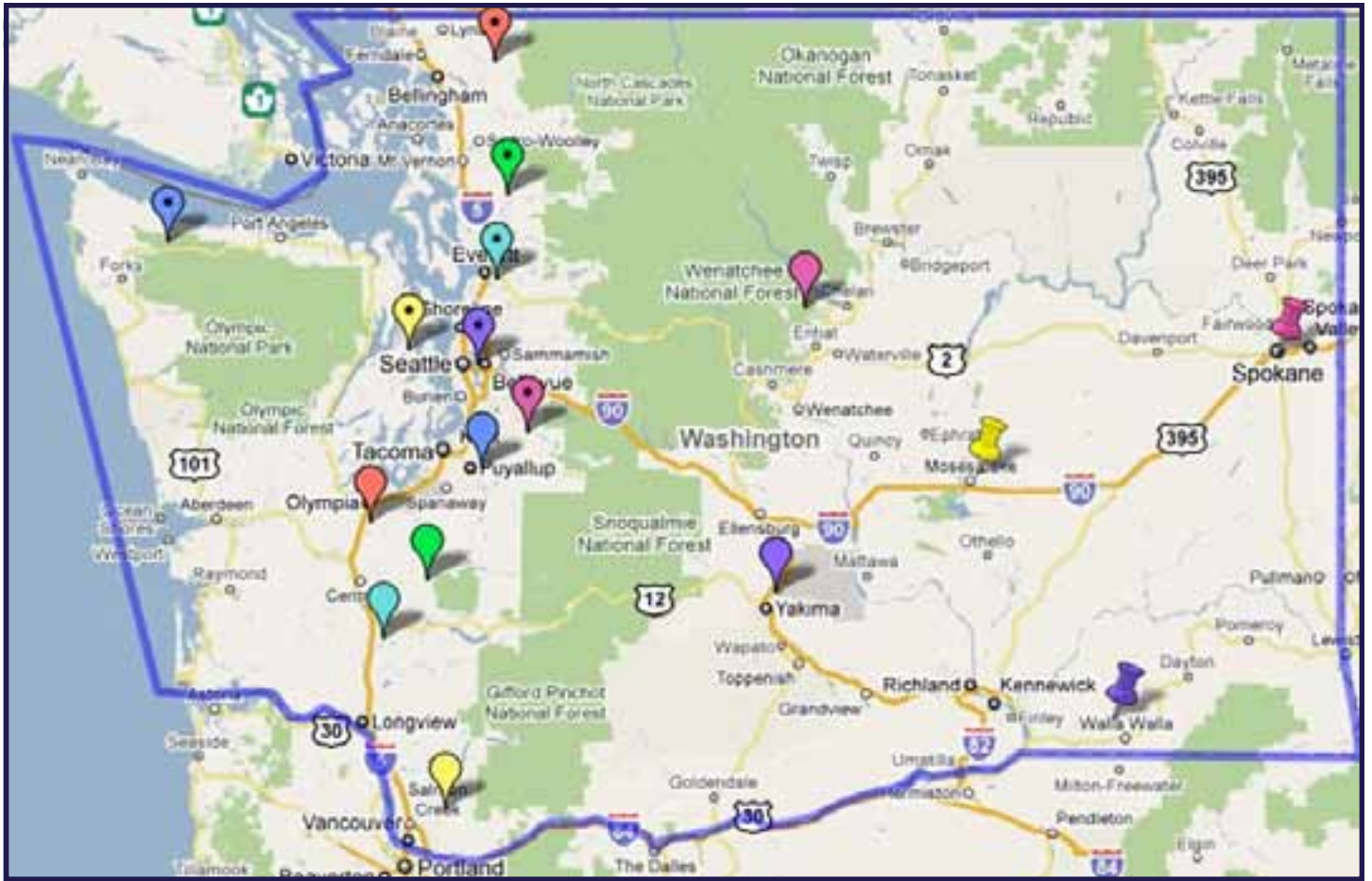
- General Degree
- Network Administrator
- Support Specialist
- Web Technologist

#### Certificates:

- General
- IT Computer User



# Washington Colleges by County



Source: Google Maps

## Chelan County

### Degrees:

- Network Administration (1)
- Software Development (1)

### Certificates:

- Computer Technician (1)
- Desktop Support Technician (1)

## Clallam County

### Degrees:

- Administrator-Business (1)
- Computer Applications Technology (1)
- Computer and Web Applications (1)
- Information Technology (1)

### Certificates:

- Database Development (1)
- Microcomputer Support Specialist (1)
- Software Solutions Development (1)
- Software Solutions Development Specialist (1)
- Software Solutions Development Web (1)
- Programming (1)

## Clark County

### Degrees:

- Computer Network Administrator (1)
- Microcomputer Support Specialist (1)
- Software Solutions Development (1)

### Certificates:

- Microcomputer Support Specialist (1)
- Software Solutions Development Database Development (1)
- Software Solutions Development Specialist (1)
- Software Solutions Development Web (1)
- Programming (1)

## Cowlitz County

### Degrees:

- Computer Science (1)

### Certificates:

- Help Desk Technician (1)
- Networking (1)
- Programming (1)
- Web Development (1)

## Franklin County

### Degrees:

- Database Administrator (1)
- Help Desk Technician (1)
- Internet Specialist (1)
- Multimedia (1)
- Network Administrator (1)
- Programming (1)

### Certificates:

- C++ Programming (1)
- C#.Net Programming (1)
- VB.Net Programming (1)

## Grant County

### Degrees:

- Network/ Server Administration (1)
- Software Development (1)
- Web Development Design (1)

### Certificates:

- Cisco Networking Academy (1)
- Microsoft Certified Systems Engineer (1)

## King County

### Degrees:

- Computer Information Systems (2)
- Computer Programming (2)
- Computer Science (2)
- Data Recovery and Forensics (1)
- Information Systems & Security (2)
- Information Technology (1)
- Micro/computer Support Specialist (2)
- Network Technician (1)
- Network Security (1)
- Network Specialist (2)
- Network Technology (1)
- Software Development Technology (2)
- Visual Communication Technology (1)
- Web Database Developer (3)
- Web Design (1)

### Certificates:

- .NET Programming (2)
- Animation & Graphics (1)
- Business Information Technology / Analyst (2)
- C#/C++ Programming (2)
- CISCO (CCNA, CCENT, Network Design and Security (1)
- Computer Programming (2)
- Digital Arts and Imagery (1)
- Digital Image Production (1)
- Digital Interactive Media (1)
- Digital Design/Video (1)
- Gaming (2)
- Graphic Design/ Marketing (2)
- Help Desk Support Technician (2)
- JavaScript Programming (1)
- Microsoft Certifications (1)
- Multimedia (1)
- Network Technician (1)
- Network Specialist (3)
- PC Repair Technician (1)
- Relational Database Analyst & Developer (1)

## Kitsap County

### Degrees:

- Computer Information Systems (1)
- Information Systems Specialist (1)

### Certificates:

- Network Support Technician (1)
- Technical Support (1)

## Lewis County

### Degrees:

- Computer Network Administrator (1)
- Microcomputer Support Specialist (1)
- Software Solutions Development (1)

### Certificates:

- JavaScript Programming (1)
- Network Specialist (1)
- Technical Specialist (1)
- Web Foundations (1)

## Pierce County

### Degrees:

- Computer Information Technology (2)
- Computer Network Engineering (2)
- Computer Networking & Information Systems Security (2)

### Certificates:

- .Net Developer (2)
- Cisco Network Design & Security (2)
- Computer & Communications Security (2)
- Computer Programmer (2)
- Computer Systems Administration (2)
- Database Developer (2)
- Information System Security Professional (2)
- Microsoft Network Admin & Security (2)
- Web Developer (2)

## Skagit County

### Degrees:

- Computer Information Systems (1)

### Certificates:

- Computer Forensics (1)
- Database and Programming (1)
- Microcomputer Applications (1)
- Network Technician (1)

## Snohomish County

### Degrees:

- Computer Information Systems (1)
- Database Information Technologies (1)
- Information Security and Digital Forensics (1)
- Network Security Specialist (1)
- Network Technology (1)
- Web Applications Developer (1)

### Certificates:

- Business System Analyst (1)
- Desktop Support Specialist (1)
- Digital Forensics (1)
- Game Development (1)
- Linux Security Specialist (1)
- Network Security Specialist (1)
- Network Technology (1)
- Unix/C++ (1)
- Windows/C++ (1)
- Web Development (1)

## Spokane County

### Degrees:

- Computer Engineering (1)
- Computer Science (3)
- Computer System Support (1)
- Information Technology (1)
- Network Design (2)
- Network Administration (2)
- Software Development (1)
- Website Development (1)

### Certificates:

- CISCO (1)
- Computer and Network Support (1)
- Computer Forensics (1)
- Computer/Repair Support (1)
- Computing Software Applications (1)
- Internet with Networking Option (1)
- Linux (1)
- MCSA Certification (1)
- .Net Developer (1)
- Network Security (1)
- Web Design (1)
- Web Development (1)

## Thurston County

### Degrees:

- Computer Programming (1)
- Database Management (1)
- Information Technology Desktop Support (1)

### Certificates:

- Office Administration (1)

## Walla Walla County

### Degrees:

- Digital Design (1)
- Informatics in Networking (1)
- Informatics in Software Design (1)

### Certificates:

- Digital Design/Video (1)
- Informatics in Digital Design (1)

## Whatcom County

### Degrees:

- Computer Forensics (1)
- Computer Information Systems (2)
- Computer Network Support (1)
- Visual Communication (1)

### Certificates:

- Computer Application Specialist (1)
- Computer Network Support (1)
- Computer Repair & Network Support (1)
- Information Security Professional (1)

## Yakima County

### Degree:

- General Degree (1)
- Network Administrator (1)
- Support Specialist (1)
- Web Technologist (1)

### Certificates:

- General (1)
- IT Computer User (1)



Contact us for more information:

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