

GENERAL INFORMATION

The Information Technology (IT) program at EvCC covers ranges of IT technical and soft skills for students preparing to enter the IT career field. Our Certificates prepare you for entry-level positions in computer support, information security, and server and network administration careers. Associate degrees point you to more employment options and may also prepare them for transferring into a bachelor's degree program.

Associate in Applied Science - Transfer in IT (AAS- T/IT)

The intent of this degree is to provide you with a balanced technical background in information technology while earning valuable industry certifications from [Microsoft](#), [Cisco](#), and [CompTIA](#). You will be building in a greater number of college-transferrable credits to provide transfer efficiency. This degree is designed specifically for transfer to Central Washington University's Bachelor of Applied Science degree in Information Technology and Administrative Management (ITAM), currently offered in Everett. For more information, go to: <http://www.cwu.edu/it-management/bas-overview>

Associate in Technical Arts (ATA) in IT.

This degree is focused on preparing you for entry-level career positions in computer support networking, security, and server administration jobs. You also earn valuable industry certifications from [Microsoft](#), [Cisco](#), [CompTIA](#), and the [Linux Professional Institute](#) as you advance through our program.

Technical core skills dominate this degree and may not fully transfer to 4 year programs. With proper course selection, it is transferable [to Central Washington University's ITAM program](#), [Whatcom Community Colleges BAS in IT Networking](#) and to [The Evergreen State College's Upside Down Degree Program](#).

Computer Support Specialist Certificate Server Administrator Certificate Network Administrator Certificate Cybersecurity Analyst Certificate

These certificates provide foundations in skilled jobs relating to computer support, networking, system management, cloud, mobile applications and information security. These classes include industry certifications as part of our program.

Information Technology places an emphasis on teamwork. Several courses require team projects aimed at finding real-world solutions to business problems. Internships provide actual work experience. Careers in IT value logic, attention to detail, and communicating effectively. IT is a dynamic field, and change is constant. Successful technicians must be strongly motivated self-learners

CAREER OPPORTUNITIES

The employment outlook for IT professionals is strong. As of March 2017, Computer occupations are the most in demand jobs in WA. Job growth for IT jobs is expected to be growing at 12% each year. That is projected to be 88,000 jobs a year in Washington alone. The median pay for Computer Support Specialists is \$52,160 a year and Network and Computer Systems Administrators are averaging \$79,700 a year.

Almost every business or organization has IT support. Each year more devices are becoming connected and requiring professional to assist with their integration into different networks and IT systems.

IT professionals can work in small and large business. The larger the organization the more likely you are to become specialized in a few types or technology, where smaller businesses require their IT staff to be knowledgeable at many things.

PROGRAM ADVISORS

For more information or to make an appointment, please contact our program advisers at advisingcis@everettcc.edu or call 425.388.9420. Our classes and program advisers are located in [Shuksan Hall](#) on the main campus.

GETTING STARTED AT EVCC

Enrollment Services Office provides information about application, orientation and registration for new and continuing students.

New students are required to complete entry advising prior to registering for first quarter classes.

Contact:

- [Enrollment Services](#), Parks 201, 425.388.9219
admissions@everettcc.edu
- [Advising Center](#), Rainier Hall 104, 435.388.9339
- [Veterans Center](#), Baker Hall 203, 425.288.9277

COMPUTER SUPPORT SPECIALIST CERTIFICATE

Student Name: _____

Advisor Signature: _____

Date: _____

This certificate provides a foundation in computing, networking, and security concepts aimed at jobs in an IT career pathway. Students will complete certification testing for Microsoft Technology Associate in [Network](#), [Mobility](#), and [Security](#) Fundamentals, and CompTIA [IT Fundamentals](#) and [A+](#) certifications. These industry certifications are administered as part of the college coursework to enhance your resume when seeking employment.

Course Number	Course Title	Credits	Quarter Completed	Grade
IT 110	Information Technology Fundamentals	5	_____	_____
IT 111	Network Fundamentals	5	_____	_____
IT 161	Computer Hardware & Technical Support (PR)	4	_____	_____
IT 162	Computer Operation & Troubleshooting (PR)	4	_____	_____
IT 180	Information Security Fundamentals (PR)	5	_____	_____

total: 23 credits, with a minimum 2.0 GPA

SYSTEMS ADMINISTRATOR CERTIFICATE

Student Name: _____

Advisor Signature: _____

Date: _____

This certificate provides a foundation in computer server systems concepts. You will complete certification testing for Microsoft Technology Associate in [Windows Server](#), Linux Professional Institute's [Linux Essentials](#), and the CompTIA [Cloud Essentials](#) industry certifications. These industry certifications are administered as part of the college coursework to enhance your resume when seeking employment.

Prerequisite: Computer Support Specialist Certificate

Course Number	Course Title	Credits	Quarter Completed	Grade
IT 202	Server Administration Fundamentals (PR)	5	_____	_____
IT 210	Network Application Support (PR)	5	_____	_____
IT 240	Linux Systems Administration (PR)	5	_____	_____
IT 261	Cloud Computing (PR)	5	_____	_____

Total: 43 credits, with a minimum 2.0 GPA

NETWORK ADMINISTRATOR CERTIFICATE

Student Name: _____

Advisor Signature: _____

Date: _____

This certificate provides more advanced computer network systems. You will complete certification testing for the Cisco [Certified Entry-Level Network Technician \(CCENT\)](#) and [Cisco Certified Networking Associate \(CCNA\)](#) certifications. These industry certifications are administered as part of the college coursework to enhance your resume when seeking employment.

Course Number	Course Title	Credits	Quarter Completed	Grade
IT 117	CCNA 1: Introduction to Networks (PR)	5	_____	_____
IT 122	CCNA 2: Routing & Switching (PR)	5	_____	_____
IT 217	CCNA 3: Scaling Networks (PR)	5	_____	_____
IT 222	CCNA 4: Connecting Networks (PR)	5	_____	_____

Total: 20 credits, with a minimum 2.0 GPA

CYBERSECURITY ANALYST CERTIFICATE

Student Name: _____

Advisor Signature: _____

Date: _____

This certificate provides the baseline knowledge and technical skills required for students to analyze computer and network vulnerabilities. You will learn methods to detect and remove malicious code within a network and tools used by hackers to gain access into networks. You will complete certification testing for the CompTIA [Cybersecurity Analyst \(CySA+\)](#) certificate. These industry certifications are administered as part of the college coursework to enhance your resume when seeking employment.

Course Number	Course Title	Credits	Quarter Completed	Grade
IT 145	Digital Forensics	5	_____	_____
IT 245	Network Defense (PR)	5	_____	_____
IT 280	Ethical Hacking and Countermeasures' (PR)	5	_____	_____

Total: 15 credits, with a minimum 2.0 GPA

INFORMATION TECHNOLOGY ASSOCIATE IN TECHNICAL ARTS (ATA) DEGREE

This degree provides more advanced computer network systems and computer security training. You will complete certification testing for CompTIA, Cisco, Linux Professional Institute and Microsoft Technology Associate certification. All industry certifications are administered as part of the college coursework to enhance your profile when seeking employment. This degree is considered non-transferable.

Student Name: _____ Advisor Signature: _____ Date: _____

- Completion of a College Success Course or Waiver** See Note 1 below
- Completion of a Diversity Course** (BUS 110D or CMST 204D recommended)

Course Number	Course Title	Credits	Quarter Completed	Grade
GENERAL EDUCATION REQUIRED COURSES (20 credits minimum) College Level English, Human Relations, Math and General Elective(s)				
ENGL 098 (PR) or &101 (PR)	_____	5	_____	_____
Select one (R): BUS 110D (PR); BUS 165; CMST& 210 (PR); CMST& 230; HDEV 155	_____	3-5	_____	_____
MATH 086 or higher	_____	5	_____	_____
General Elective(s)	_____	5-7	_____	_____

TECHNICAL REQUIRED COURSES (60 credits) See Note 2 below

IT 111	Network Fundamentals	5	_____	_____
IT 115	Mobility and Device Fundamentals	5	_____	_____
IT 117	CCNA 1: Introduction to Networks	5	_____	_____
IT 122	CCNA 2: Routing & Switching	5	_____	_____
IT 161	Computer Hardware & Technical Support	4	_____	_____
IT 162	Computer Operation & Troubleshooting	4	_____	_____
IT 180	Information Security Fundamentals	5	_____	_____
IT 202	Server Administration Fundamentals	5	_____	_____
IT 210	Network Application Support	5	_____	_____
IT 240	Linux Systems Administration	5	_____	_____
IT 245	Network Defense	5	_____	_____
IT 251	Information Technology Internship	2	_____	_____
IT 261	Cloud Computing	5	_____	_____

TECHNICAL ELECTIVES (10 Credits) (Networking or Security Tracks preferred) See Note 3 Below

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

MINIMUM REQUIRED CREDITS: 90

Minimum grade of C [2.0] in all required classes.

Option A: Networking Track	Option B: Security Track	Other Accepted Technical Electives
IT 217 - CCNA 3: Scaling Networks (PR) IT 222 - CCNA 4: Connecting Networks (PR)	IT 145 - Digital Forensics IT 280 - Ethical Hacking and Countermeasures (PR)	IT 101, IT 251, IT 252, CL 101, CL 102, CL 103, CL 104, CL 105, CL 106, CL 107, CL 110, BT 100, BT 105, BT 219, BT 240, BT 242, ENGR 111, ENGR 121, CS 110, CS& 131, CS 132, CS& 141, CS 143

INFORMATION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE (AAS-T) TRANSFER DEGREE

Students should meet with a program advisor and maintain the certificate or degree checklist while at Everett Community College. The quarter before expected completion, this checklist should be submitted with a diploma application to the Enrollment Services Office. A full description of the College requirements for earning a certificate or degree is contained in the College catalog. **SPECIAL NOTE: This degree is designed to transfer to Central Washington University's (CWU) Information Technology and Administrative Management degree. Transfer to CWU requires a cumulative GPA of 2.3 or higher. At least a C- in each course is required in order to meet admission criteria. Course substitutions require the approval of Central Washington University.** See note 1 for information on transfer to other BAS programs.

Student Name: _____ Advisor Signature: _____ Date: _____

- Completion of a College Success Course or Waiver** See Note 1 below
- Completion of a Diversity Course**

GENERAL EDUCATION REQUIRED COURSES (20 credits)

Course Number	Course Title	Credits	Quarter Completed	Grade
ENGL& 101 (PR)	English Composition I	5	_____	_____
MATH (Select one) MATH &107, &141, &142, &144, &148 or &151 (Q)		5	_____	_____
Natural Science (Select one course from below; CWU recommends a lab [L] course)		5	_____	_____
Reasoning (Select one): PHIL& 115 or 120		5	_____	_____

Fundamental Disciplines of Physical/Biological	Patterns & Connections in Natural World	Applications of Natural Science
BIOL&100L CHEM& 121L, CHEM& 161L (5.5), GEOL 102L, NAT S 107L, PHYS& 114L or 241L and 231L(5.5)	ANTH& 215L, ASTR& 101L or 115L, ASTR 122L, BIOL& 232, ENV&S 100 or 101L, GEOG 205L, GEOL& 208L, NAT S 105L	ATM S 101, CHEM& 110L, GEOL 106L or &110L, NUTR& 101, OCEA& 101L

TECHNICAL REQUIRED COURSES (60 credits) See Note 2 below

Course Number	Course Title	Credits	Quarter Completed	Grade
COMPUTER SUPPORT SPECIALIST CERTIFICATE (23 Credits)				
IT 111	Network Fundamentals	5	_____	_____
IT 115	Mobility and Device Fundamentals	5	_____	_____
IT 161	Computer Hardware & Tech Support (PR)	4	_____	_____
IT 162	Computer Operation & Troubleshooting (PR)	4	_____	_____
IT 180	Information Security Fundamentals (PR)	5	_____	_____
INFORMATION TECHNOLOGY FOUNDATION COURSES (36-40 Credits)				
CS 110	Introduction to Programming (PR)	5	_____	_____
CS& 131	Computer Science I C++ (PR)	5	_____	_____
IT 117	CCNA 1: Introduction to Networks (PR)	5	_____	_____
IT 122	CCNA 2: Routing & Switching (PR)	5	_____	_____
IT 251	Information Technology Internship	2	_____	_____
IT 202	Network Server Administration (PR)	5	_____	_____
IT 210	Network Application Support (PR)	5	_____	_____
CJ 203	Introduction to Cyber Warfare	5	_____	_____

GENERAL EDUCATION ELECTIVES (10 credits). Please note that CWU will accept up to 105 transfer credits from a community college. The full list of courses can be found in the CWU General Education Transfer Guide

Select one Arts and Humanities:

A: ENGL&111W, 113 or 254D, HUM& 101; B: ART& 100, DRMA& 101W, FILM 100, MUSC& 105, MUSC 110D, 115 or 116; C: World Languages &221/221, &222/222, &223/223 or &121/121*, &122/122*, or &123/123*(=* = any 1), HUM 247D, PHIL &101(W) PHIL 110(W), 215(W) or 267(W) SOC 257

5

Select one from Social and Behavioral Sciences

A: ECON 101 or ECON& 201 CHCST 105 HIST& 146(W), 147(W) or 148(W) HIST 170 HUM 110 or 210(W), POLS& 202 SOC& 201(W)

B: ANTH 116 or ANTH& 206 GEOG 101 or 102, HIST 100(W), 103, 111(W) or 112(W) POLS& 203; C: ANTH& 204 GEOG 201 POLS& 101(W) PSYC& 100 SOC& 101(W), BUS 101*

5

MINIMUM REQUIRED CREDITS 90 (minimum grade of C [2.0] in all required classes)

