

CAREERS IN CYBERSECURITY



Consider career options in this growing field

PC Academic Advisor

Eric Waterkotte
(360) 417-6270
ewaterkotte@pencol.edu



PENINSULA COLLEGE

WWU Academic Advisor

Heather Hutchins
(360) 394-2733
Heather.Hutchins@wwu.edu



Start at PC

Earn your Associate in Applied Science – Transfer (AAS-T), Cybersecurity and Computer Forensics from Peninsula College to prepare you for mid-level positions.

Mid-level Positions

- Computer Support Specialist
- Network Support Specialist
- Information Security Specialist
- Network and Computer Systems Administrator
- Other Computer/IT Occupations

Continue with Western

Continue at Western Washington University at Olympic College in Poulsbo to earn Western's Bachelor of Science in Computer and Information Systems Security (CISS) degree. This two-year program will prepare you to fill the urgent need for trained professionals in advanced computer information positions.

Advanced Positions

- Information Systems Security Developer
- Secure Software Assessor
- Cyber Defense Analyst
- Vulnerability Assessment Analyst
- Systems Security Analyst
- Cyber Security Manager

Occupational Outcomes

- Cybersecurity openings are growing 3x as fast as IT jobs overall.
- Cybersecurity workers can command an average salary premium of nearly \$6,500 per year, or 9% more than other IT workers, according to the Job Market Intelligence: Cybersecurity Jobs 2015 report published by Burning Glass Technologies.
- 84% of cybersecurity job postings specify that a bachelor's degree is a minimum requirement to apply per Burning Glass' 2015 Cybersecurity Job report. This illustrates how critical education is to obtaining top-paying positions.

For more information and to start developing the right plan for you, please connect with an academic advisor.



AAS-T - Cybersecurity and Computer Forensics

To be eligible for a transfer to Western's Bachelor of Science in Computer and Information Systems Security (CISS) degree:

- Complete an Associate in Applied Science - Transfer degree in Cybersecurity and Computer Forensics from Peninsula College prior to applying to Western.
- Achieve a minimum college GPA of 2.5.

Note: 90 quarter credits (listed below) of your AAS-T in Cybersecurity and Computer Forensics credits at Peninsula College will be transferred towards your Bachelor of Science in Computer and Information Systems Security (CISS) at Western.

CORE PROGRAM REQUIREMENTS

Course ID	PC Course Title	Credits
CJ& 101	Introduction to Criminal Justice	5
CSC 100	Introduction to Computer Science	5
CS& 141	Programming I	5
CS& 142	Programming II	5
CSIA 110	Introduction to Cybersecurity & Cybercrime	5
CSIA 185	Cybersecurity 1: Risk, Control & Encryption	5
CSIA 190	Cybersecurity 2: Securing the Modern Enterprise	5
CSIA 195	Cybersecurity 3: Ethical Hacking	5
CSIA 280	Introduction to Computer Forensics & Tools	5
CSIA 285	Computer Forensics 2: Investigations & Analysis	5
CSIA 290	Cybersecurity Capstone	5
MATH& 141	Pre-calculus I	5
MATH& 142	Pre-calculus II	5

GENERAL EDUCATION REQUIREMENTS

PC Course	Credits	WWU Course Equivalent	Credits	GUR
ENGL& 101	5	ENG 101	5	ACOM
ENGL& 102	5	ENG 1TT	5	BCOM
MATH& 151	5	MATH 124	5	QSR
PSYC& 100	5	PHIL 112	3	HUM
PHIL 130	5	PSY 101	5	SSC
TOTAL			90 credits	

Consult the Peninsula College Academic Advisor to chart a plan to fulfill the degree.



Bachelor of Science - Computer and Information Systems Security

Ninety (90) credits (listed opposite) from Peninsula College's AAS-T degree in Cybersecurity and Computer Forensics will be accepted and applied toward completion of Western's Bachelor of Science in Computer and Information Systems Security (CISS).

CORE REQUIREMENTS

Course ID	WWU Course Title	Credits
CISS 247	Computer Systems I	5
CISS 301	Formal Languages and Functional Programming	5
CISS 349	Computer System Administration	4
CISS 360	Operating Systems Concepts	3
CISS 461	Computer Security	4
CISS 495	Computer Security Project	3

REQUIRED SUPPORT COURSES

Course ID	Course Title	Credits
ENG 302	Introduction to Technical Writing	5
MATH 125	Calculus & Analytic Geometry II	5
MATH 341	Probability / Statistical Inference	4
PHYS 161	Physics with Calculus I	5
PHYS 162	Physics with Calculus II	5

CISS ELECTIVES (choose four courses)

Course ID	Course Title	Credits
CISS 346	Secure Software Development	4
CISS 421	Computer Forensics	4
CISS 422	Dynamic Analysis of Software	4
CISS 423	Software Reverse Engineering	4
CISS 464	Penetration Testing	4
CISS 469	Advanced Network System Security	4
CISS 478	Cryptographic Techniques	4

GENERAL UNIVERSITY REQUIREMENTS

Humanities	7 credits
Social Sciences	7 credits
Comparative Gender and Multicultural Studies	2 courses
Science	1 course

Consult the WWU academic advisor to chart a plan to fulfill GURs.