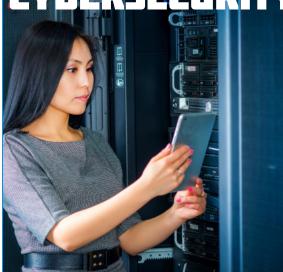
# CYBERSECURITY



Earn your Bachelor of Science degree from Western Washington University through our 2+2 degree program with Peninsula College

#### PC Academic Advisor

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



#### WWU Academic Advisor

Poulsbo - Crystal Cline (360) 394-2707 crystal.cline@wwu.edu

## wwu.edu/cybersecurity



# Start at PC

Earn your Associate in Applied Science –(AAS-T), Cybersecurity and Computer Forensics Degree from Peninsula College to prepare you for a career in Cybersecurity.

### Positions

- Security Analyst
- 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 Cybersecurity 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 jobs are in high demand in Washington State, with an estimated 3.6% growth rate through 2026, according to Washington State Employment Security Department Occupational Outlook.
- Cybersecurity workers can command an average salary that is nearly 9% more than other IT workers, according to the Job Market Intelligence: Cybersecurity Jobs report published by Burning Glass Technologies.
- Most advanced cybersecurity job positions 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 Cybersecurity degree:

- Complete an Associate in Applied Science Transfer degree in Cybersecurity and Computer Forensics from Peninsula College.
- 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 Cybersecurity at Western.

#### **CORE PROGRAM REQUIREMENTS**

Course ID	PC Course Title	Credits
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 Enterpr	rise 5
CSIA 195	Cybersecurity 3: Ethical Hacking	5
CSIA 280	Introduction to Computer Forensics & Tools	5
CSIA 290	Cybersecurity Capstone	5
IT 114	Intro to Relational Databases	5
IT 260	Intro to Linux	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	5	HUM
SOCSI 101	5	TRAN 1TT	5	SSC
TOTAL				90 credits

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



## **Bachelor of Science - Cybersecurity**

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 Cybersecurity.

#### **REQUIRED CYBERSECURITY COURSES**

Course ID	Course Title	Credits
CISS 247	Computer Systems I	5
CISS 301	Formal Languages and Functional	
	Programming	5
CISS 340	Database Concepts	3
CISS 346	Secure Software Development	4
CISS 350	Data Networking	3
CISS 360	Operating Systems Concepts	3
CISS 461	Computer Security	4
CISS 470	Policy, Compliance, & Risk	4
CISS 471	Cyber Privacy, Ethics & Abuse	4
CISS 491	Cybersecurity Capstone Project I	1
CISS 492	Cybersecurity Capstone Project II	1
CISS 493	Cybersecurity Capstone Project III	1

#### **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

#### **ELECTIVES** (choose two courses)

Course ID	Course Title	Credits
CISS 349	Computer System Administration	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

(choose i	science sequence)		
BIOL 204	Intro to Evolution, Ecology & Biodiversity	5	
BIOL 205	Intro to Cellular & Molecular Biology	5	
CHEM 161	General Chemistry I	5	
CHEM 162	General Chemistry II	5	
PHYS 161	Physics w/ Calculus I	5	
PHYS 162	Physics w/ Calculus II	5	

University graduation requirements also include 36-44 credits of General University Requirements (GURs), 180 minimum total credits (including transfer credits), and 60 minimum upper division credits. Consult the WWU Cybersecurity Academic Advisor to create a plan to complete your Cybersecurity graduation requirements.