

Associate in Applied Science in Network Security Engineer or in Digital Forensics & Investigations

To be eligible for a transfer to Western's Bachelor of Science in Cybersecurity degree, students must first:

- Complete an Associate of Applied Science in the Network Security Engineer or Digital Forensics & Investigations degree from Highline College
- Complete CSCI 142 & CSCI 143 or CSCI 151 & CSCI 152, and MATH& 151 or recognized equivalents
- Achieve a minimum college GPA of 2.5

Note: 90 quarter credits (listed below) of your AAS credits at Highline College will be transferred towards your Bachelor of Science in Cybersecurity at Western.

CORE REQUIREMENTS

Course ID	Course Title	Credits
CS 150	OS and Hardware Fundamentals	5
CS 160	Introduction to Networking & Cisco IOS	5
CIS 161	MS Operating System & Cisco Networking Integration	5
CIS 166	Network Intrusion Detection	5
CIS 215	Introduction to Unix/Linux	5
CIS 217	Unix/Linux System Administration	5
CIS 221	Network Scripting	5
BUSN 160	Human/Labor Relations	5
ENGL& 235	Technical Writing	5

ADDITIONAL CORE REQUIREMENTS –

Network Security Engineer

CIS 262	MS OS Infrastructure & Advanced Cisco	5
CIS 265	WAN Tech & VPN Security	5
CIS 210	Operating Systems w/Virtual Machines	5
CIS 230	Database Security/Management	5

ADDITIONAL CORE REQUIREMENTS –

Digital Forensics Investigations

CIS 155	Intro to Data Recovery/Forensics	5
CIS 235	Computer Forensics I	5
CIS 236	Computer Forensics II	5
LEGAL 220	E-Discovery and Forensics	5

GENERAL EDUCATION REQUIREMENTS

HC Course	Credits	WWU Course Equivalent	Credits	GUR
ENGL& 101	5	ENG 101	5	ACOM
MATH& 146	5	MATH 124	5	MSAT
MATH& 151*	5	MATH 240	5	MSAT
CMST& 101 or CMST& 220	5	COMM 1TT COMM 101	5	BCOM
CSCI 142 or 151*	5	CSCI 141	5	MSAT
CSCI 143 or 152*	5	CSCI 145	5	MSAT
TOTAL			90 credits	

*Courses not required for Highline's AAS degree, however an eligibility requirement for admittance into Western's Cybersecurity program. Consult the Highline College Academic Advisor to chart a plan to fulfill the degree.

Bachelor of Science (B.S.) - Cybersecurity

Ninety (90) credits (listed opposite) from Highline College's AAS degree, 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 1 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.