NOVA | Northern Virginia Community College

A.A.S. Associate of Applied Science

C.S.C. Career Studies Certificate

SECURE YOUR FUTURE
IN CYBERSECURITY

NOVA is the Place!

NOVA is a leader in cybersecurity and boasts one of the largest cybersecurity programs in the nation.

Our Cybersecurity **A.A.S.** (Assoc. of Applied Science) degree is one the largest and fastest growing cybersecurity (Cyber Defense) programs in the Commonwealth and can be completed in 2 years. Our Cybersecurity **C.S.C.** (Career Studies Certificate), a 1-year program, integrates completely with the A.A.S with stackable credentials.

The Cybersecurity Program

Prepares you for an entry-level position or augment your existing skills using curriculum mapped to NSA/DHS Knowledge Units.

Designated as a Center of Academic Excellence, NOVA's A.A.S. immerses you in course work that sets you up for 4 industry certifications, while supporting transfer agreements to top 4 year institutions.

The C.S.C. sets you up for 3 industry certifications, or accepts up to 9 credits for prior certifications, saving time and money.

Prepare for the Future

There is immediate and significant demand for employees with cybersecurity capability. Combining the A.A.S. degree with the potential to earn multiple industry certifications can make you a highly qualified and sought-after candidate. Salaries for these positions are competitive and commensurate with qualifications. **Secure your future at NOVA today!**

NOVA|IET
INFORMATION & ENGINEERING TECHNOLOGIES

For more info go to www.nvcc.edu/iet

CYBERSECURITY A.A.S.

A.A.S. Degree Courses
(Associate of Applied Science)

Semester 1 — Credits: 16

Code	Num	Course	Credits
ENG	111	College Composition I	3
ITE	152	Intro to Digital and Info. Literacy and Computer App. ❶	3
ITN	100	Introduction to Telecommunications - OR -	
ITN	101	Introduction to Network Concepts ❷	3
ITN	106	Microcomputer Operating Systems	3
MTH	154	Quantitative Reasoning ❸ - OR -	
MTH	155	Statistical Reasoning (or higher)	3
SDV	101	Orientation to Information Technology	1

Semester 2 — Credits: 15

Code	Num	Course	Credits
CST	___	Elective ❹	3
ITN	107	Personal Computer Hardware & Troubleshooting ❺ - OR -	
ITE	221	Personal Computer Hardware & OS Architecture	3
ITP	100	Software Design ❶	3
ITN	170	Linux System Administration ❻ - OR -	
ITN	171	UNIX I	3
ITN	260	Network Security Basics	3

Semester 3 — Credits: 18

Code	Num	Course	Credits
ITP	___	Programming Elective ❼	4
ITN	200	Administration of Network Resources	3
ITN	262	Network Communication, Security, & Authentication	4
ITN	261	Network Attacks, Computer Crime, & Hacking	4
___	___	Social/Behavioral Sciences Elective ❽	3

Semester 4 — Credits: 16

Code	Num	Course	Credits
___	___	Humanities/Fine Arts Elective ❾	3
___	___	Approved Elective ❿	3
ITN	263	Internet/Intranet Firewalls & E-Commerce Security	4
ITN	266	Network Security Layers	3
ITN	276	Computer Forensics I	3

Total Credits: 65

❶ United States Naval Community College students may substitute an approved elective.

❷ Credit will be awarded for either ITN 100 or ITN 101.

❸ May substitute a higher-level mathematics course. Consult with an academic advisor for appropriate selection.

❹ Select from the following: CST 100, CST 110, CST 126, and CST 229.

❺ Credit will not be awarded for both ITN 107 or ITE 221.

❻ Credit will not be awarded for both ITN 170 or ITN 171.

❼ Select from the following: ITP 120, ITP 132, ITP 150, ITP 160, ITP 225 or ITP 270.

❽ See social/behavioral science courses listed under General Education Electives.

❾ See humanities/fine arts courses listed under General Education Electives.

❿ Select from the following: ITN 264, ITN 267, ITN 277, ITN 290, ITN 295, or ENG 112.

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C.S.C. Courses
(Career Studies Certificate)

Semester 1   Credits: 12

ITE	152	**Intro to Digital and Info. Literacy and Computer App.** ❶	3
ITN	100	**Introduction to Telecommunications** - OR -	
ITN	101	**Introduction to Network Concepts** ❷	3
ITN	260	**Network Security Basics**	3
ITN	___	**Elective** ❸	3

Semester 2   Credits: 15

ITN	261	**Network Attacks, Computer Crime, and Hacking**	4
ITN	262	**Network Communication, Security, & Authentication**	4
ITN	263	**Internet/Intranet Firewalls & E-Commerce Security**	4
ITN	266	**Network Security Layers**	3

Total Credits: 27

❶ United States Naval Community College students may substitute an approved elective.

❷ Credit will be awarded for either ITN 100 or ITN 101.

❸ Approved electives may be selected from: ITN 264, ITN 267, ITN 290, or ITN 295.

The one-year C.S.C. curriculum is designed as an enhanced compentency module to provide expertise in security to networking specialists. This curriculum will prepare networking specialists for employment as network security specialists or Internet Security Specialists. This program also helps prepare students for the Security+ and the CISSP certification exams.

CPL

Credit for Prior Learning (CPL) available for these courses:

ITE 152, ITN 101, & ITN 260 - Google IT Support Professional Certificate
ITN 101 - CompTIA Network+
ITN 107 & ITN 106 - CompTIA A+ Core Series
ITN 170 - CompTIA Linux+
ITN 260 - CompTIA Security+ -OR- CompTIA CISSP
ITN 262 - CompTIA Cybersecurity Analyst (CySA+)
ITN 261 - EC-Council Certified Ethical Hacker (CEH)
ITP 120 - Certiport IT Specialist: Java
ITP 150 - Certiport IT Specialist: Python
ITP 225 - Certiport IT Specialist: HTML 5 Application Development

For More Info about NOVA's
Cybersecurity A.A.S. Degree or C.S.C. go to www.nvcc.edu/iet

NOVAIET
INFORMATION & ENGINEERING TECHNOLOGIES

WE DO **STEM**
SCIENCE • TECHNOLOGY • ENGINEERING • MATH

GEORGE MASON UNIVERSITY
MASON ADVANCE APPROVED PATHWAY

CYBERSECURITY C.S.C.

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