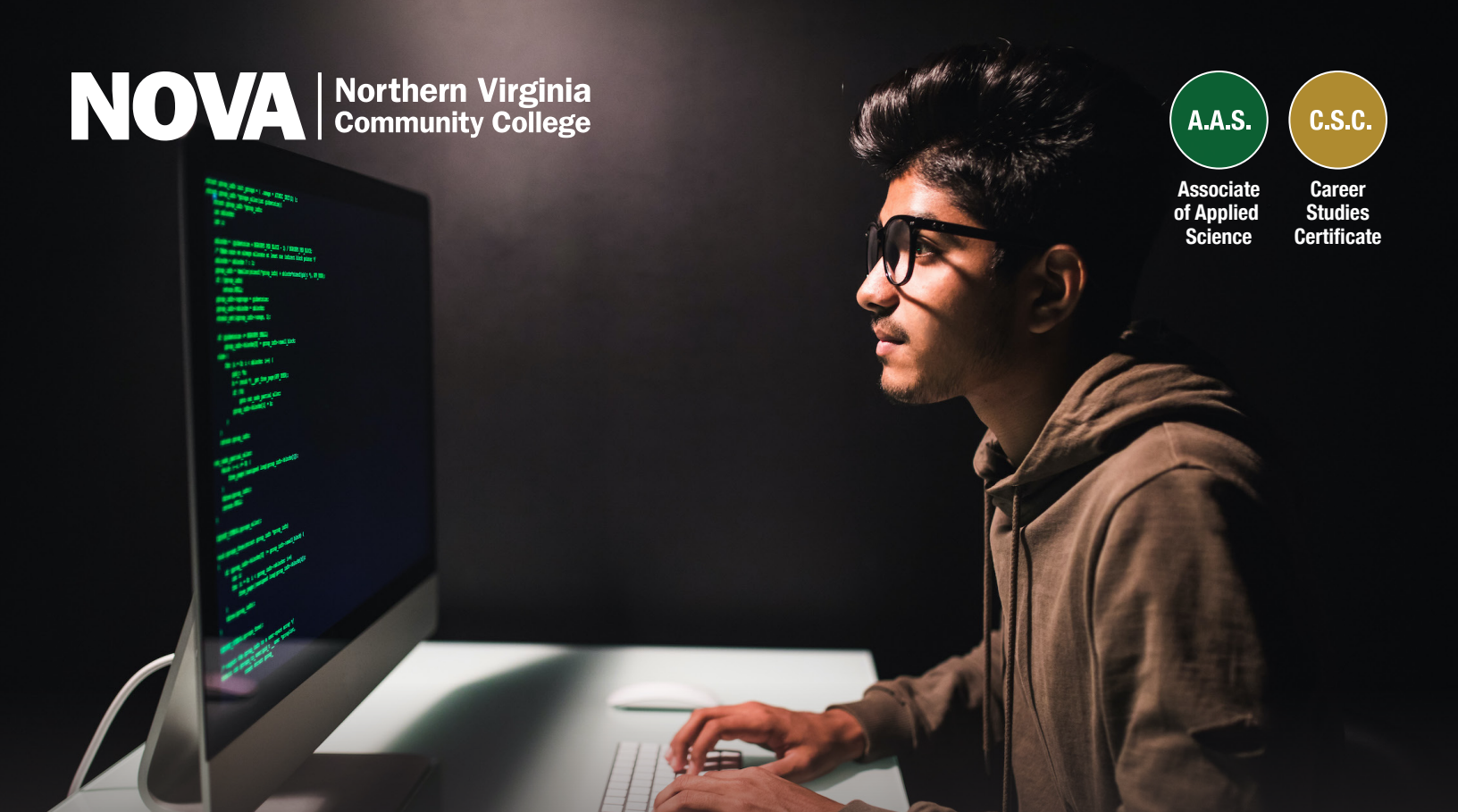




Associate  
of Applied  
Science



Career  
Studies  
Certificate



# SECURE YOUR FUTURE IN CYBERSECURITY

## NOVA is the Place!

There's never been a more exciting time to be a tech student at Northern Virginia Community College (NOVA).

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.

## The Cybersecurity Program

Will prepare 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](http://www.nvcc.edu/iet)

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

<b>1st Semester</b>			<b>Credits 16</b>
ENG	111	College Composition I	3
ITE	115	Intro to Computer Applications & Concepts - <b>OR</b> -	
ITE	119	Information Literacy	3
ITN	100	Introduction to Telecommunications - <b>OR</b> -	
ITN	101	Introduction to Network Concepts	3
ITN	106	Microcomputer Operating Systems	3
MTH	154	Quantitative Reasoning (or higher) <sup>1</sup>	3
SDV	101	Orientation to Information Technology	1
 <b>2nd Semester</b>			 <b>Credits 16</b>
ITP	100	Software Design	3
ITN	107	Personal Computer Hardware & Troubleshooting - <b>OR</b> -	
ITE	221	Personal Computer Hardware & OS Architecture	3
ITN	170	Linux System Administration - <b>OR</b> -	
ITN	171	UNIX	3
ITN	260	Network Security Basics	3
ITN	261	Network Attacks, Computer Crime, & Hacking	4
 <b>3rd Semester</b>			 <b>Credits 18</b>
—	—	Programming Elective <sup>2</sup>	4
ITN	200	Administration of Network Resources	3
ITN	262	Network Communication, Security, & Authentication	4
ITN	263	Internet/Intranet Firewalls & E-Commerce Security	4
ITN	266	Network Security Layers	3
 <b>4th Semester</b>			 <b>Credits 15</b>
CST	—	Elective <sup>3</sup>	3
—	—	Humanities/Fine Arts Elective <sup>4</sup>	3
—	—	IT Elective <sup>5</sup>	3
ITN	276	Computer Forensics I	3
—	—	Social/Behavioral Sciences Elective <sup>6</sup>	3

**Total Credits: 65**

- <sup>1</sup> May substitute a higher-level mathematics course. Consult with an academic advisor for appropriate selection
- <sup>2</sup> Select from the following: ITP 112, ITP 120, ITP 130, ITP 132, ITP 136, ITP 150, ITP 225, or ITP 270
- <sup>3</sup> Select from the following: CST 100, CST 110, CST 126, and CST 229
- <sup>4</sup> See humanities/fine arts courses listed under General Education Electives. Electives should be selected with advice of a counselor or academic advisor to meet the requirements of the transfer institution
- <sup>5</sup> Select from the following: ITN 267, ITN 277, ITN 290, or ITN 295
- <sup>6</sup> See social/behavioral science courses listed under General Education Electives

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

<b>1st Semester</b>			Credits <b>12</b>
ITE	115	Intro to Computer Applications & Concepts - <b>OR</b> -	
ITE	119	Information Literacy	3
ITN	100	Introduction to Telecommunications - <b>OR</b> -	
ITN	101	Introduction to Network Concepts	3
ITN	260	Network Security Basics	3
ITN	266	Network Security Layers	3
<b>2nd Semester</b>			Credits <b>15</b>
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	___	Elective <sup>1</sup>	3

**Total Credits: 27**

<sup>1</sup> Approved electives may be selected from ITN 267, ITN 290, or ITN 295

The one-year C.S.C. curriculum is designed as an enhanced competency 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.

A total of 27 credits is required for the Cybersecurity Career Studies Certificate (C.S.C). IT courses used for this program may not be more than 10 years old, unless approved by academic dean.

All first-time students must take a one-credit Student Development (SDV) course prior to enrolling in their 16th credit at NOVA.



**Accepted Credit for Prior Learning (CPL) for Cybersecurity A.A.S.**  
(CPL's for the C.S.C. may be equal to or less than the list below):  
CompTIA - Security+, CompTIA - A+ Hardware/A+ Software, CompTIA - Network+  
EC Council - CEH, ISC2 - CISSP

**For More Info about NOVA's**  
Cybersecurity A.A.S. Degree or C.S.C. go to [www.nvcc.edu/iet](http://www.nvcc.edu/iet)