NOVA | Northern Virginia Community College

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Member Institution

A.A.S. Associate of Applied Science

C.S.C. Career Studies Certificate

LEAD THE WAY
IN CLOUDCOMPUTING

NOVA is the Place!

NOVA leads the nation in Cloud Computing education and is nationally recognized for being the first community college to develop and offer an Associate degree in Cloud Computing.

Our **Cloud Computing Specialization A.A.S.** degree in Information Systems Technology can be completed in 2 years and our Cloud Computing **C.S.C.** (Career Studies Certificate) can be completed in just 1 year (even less if you have current industry certifications).

The Cloud Program

The Cloud Computing Specialization A.A.S. or the Cloud C.S.C. will prepare you for an entry level position or augment your existing skills using industry leading platforms like Amazon Web Services (AWS), while immersing you in course work that sets you up for 6 industry certifications (A.A.S) or 4 certifications (C.S.C.)

Ultimately want a bachelor degree? We can do that. We have transfer agreements with many top 4-year institutions and C.S.C. courses roll right into our A.A.S. degree!

Prepare for the Future

There is immediate and significant demand for employees with Cloud Computing capability. Combining the A.A.S. or C.S.C. with multiple available industry certifications can make you a highly qualified and capable candidate. Entry-level salaries for these positions are competitive and commensurate with qualifications. **Lead the way in Cloud Computing at NOVA!**

NOVA|IET
INFORMATION & ENGINEERING TECHNOLOGIES

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

CLOUD COMPUTING SPECIALIZATION **A.A.S.**

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

1st Semester — Credits 16

ENG	111	College Composition 1	3
ITE	152	Intro to Digital and Info. Literacy and Computer App.	3
ITN	101	Introduction to Network Concepts	3
ITN	257	Cloud Computing: Infrastructure and Services	3
MTH	154	Quantitative Reasoning (or higher)	3
SDV	101	Orientation to (a Specific Discipline)	1

2nd Semester — Credits 15

ITD	256	Advanced Database Management	3
ITN	107	Personal Computer Hardware & Troubleshooting	3
ITN	200	Administration of Network Resources	3
ITN	260	Network Security Basics	3
ITP	100	Software Design	3

3rd Semester — Credits 16

___	___	IT Elective ❶	3
ITD	110	Web Page Design I	3
ITN	170	Linux System Administration	3
ITN	213	Information Storage & Management	3
ITP	___	Elective ❷	4

4th Semester — Credits 16

CST	___	Elective ❸	3
___	___	Humanities/Fine Arts Elective ❹	3
ITN	254	Virtual Infrastructure: Installation & Configuration	4
___	___	Social/Behavioral Sciences Elective ❺	6

Total Credits: 63

❶ Total of 3 credit hours of IT electives may be selected from the following: ITN 106, ITN 290 - Coordinated Internship, or ITN 295. Students should discuss ITN 295 options with their academic advisor

❷ IT Programming elective must be chosen from: ITP 120, ITP 132, ITP 150, or ITP 225

❸ CST elective must be selected from: CST 100, CST 110, CST 115, CST 126, CST 227, or CST 229

❹ Humanities/fine arts elective may be selected from the humanities/fine art courses listed under General Education Electives. Recommended electives include ART 101, ART 102, CST 151, or MUS 121

❺ The Social Science elective may be selected from the social/behavioral science courses listed under General Education Electives

Cloud Computing is a Specialization of the
Information Systems Technology A.A.S. Degree

NOVA
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Community College

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

1st Semester   Credits **13**

ITD	256	Advanced Database Management	3
ITE	152	Intro to Digital and Info. Literacy and Computer App.	3
ITN	101	Introduction to Network Concepts	3
ITN	257	Cloud Computing: Infrastructure and Services	3
SDV	100	Quantitative Reasoning (or higher) - **OR** -	
SDV	101	Orientation to Information Technology	1

2nd Semester   Credits **13**

ITN	170	Linux System Administration	3
ITN	213	Information Storage and Management	3
ITN	254	Virtual Infrastructure: Installation & Configuration	4
ITN	260	Network Security Basics	3

Total Credits: 26

The one-year C.S.C. curriculum is designed for those who seek employment in the field of cloud computing, for those who are presently in that field and who desire to increase their knowledge and update their skills, and for those who would like to augment their abilities in other fields with knowledge and skills in cloud computing.

A total of 26 credits is required for graduation with the Cloud Computing Career Studies Certificate (C.S.C). Students with active industry certifications may qualify for credit for prior learning (CPL). Individuals who believe they might qualify for CPL must submit their requests for credit prior to applying for graduation. Contact your advisor or review section 2 of the CPL manual to see if you qualify.

CPL

Accepted Credit for Prior Learning (CPL) for Cloud Computing A.A.S. (CPL's for the C.S.C. may be equal to or less than the list below):
AWS – AWS Certified Cloud Practitioner, AWS – AWS Solutions Architect Associate
CompTIA - A+ Hardware / A+ Software, CompTIA - Linux +, CompTIA - Security+, ISC2 – CISSP

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

NOVA IET — INFORMATION & ENGINEERING TECHNOLOGIES | WE DO STEM — SCIENCE • TECHNOLOGY • ENGINEERING • MATH | APPROVED PATHWAY ADVANCE M — A NOVA | MASON PARTNERSHIP

CLOUD COMPUTING C.S.C.

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