

### **NOVA** is the Place for DCO

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

NOVA offers another first in the Commonwealth, a specialization of the Engineering Technology A.A.S. degree in **Data Center Operations (DCO).** 

In addition, our DCO Career Studies Certificate (C.S.C.) can be completed in just 1 year and integrates completely with the DCO Specialization A.A.S. Degree.

### The DCO Program

Provides graduates of the

#### **Engineering Technology A.A.S**

degree with the skills and hands-on training necessary to earn an entry-level position working in a data center or as a technician in one of the many companies that support the technology and infrastructure of data centers.

The **C.S.C.** immerses you in course work to earn BICSI Installer 1 (Copper) and Installer 2 (Fiber Optic) industry credentials, as well as an OSHA 10 certification.

### **Prepare for the Future**

## Northern Virginia has the largest data center market in the country.

There is massive demand for employees with skills that support the sophisticated infrastructure needs of data centers. Entry-level salaries for these positions are generally excellent. **Start your** 

DCO career at NOVA!



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

### **A.A.S. Degree Courses**

(Associate of Applied Science)

1st Semester			Credits 15
ELE	150	A.C. and D.C. Circuit Fundamentals	3
ENG	115	Technical Writing	3
IND	123	Intro to Learn Manufacturing and Six Sigma	1
IND	137	Team Concepts in Problem Solving	3
MTH	111	Basic Technical Mathematics	3
SAF	130	Industrial Safety - OSHA 10	1
SDV	100	College Success Skills - OR -	
SDV	101	Orientation to (a Specific Discipline)	1
2nd Se	Credits 15		
CAD	175	Schematics and Mechanical Diagrams	2
ELE	146	Electric Motor Control	4
ELE	148	Power Distribution Systems (1)	3
ELE	233	Programmable Logic Controller Systems I	3
ENE	195	Introduction to Data Center Operations	3
3rd Semester			Credits 15
ELE	189	Data Cabling Communication	3
ENE	228	Building Automation & Energy Mgmt. Systems 1	3
ETR	281	Digital Systems	3
CST	126	Interpersonal Communication	3
MEC	270	Computation for Engineering Technology	3
4th Semester			Credits <b>15-16</b>
ELE	211	Electrical Machines I	3
ELE	250	Fiber Optic Technology 2 - OR -	
AIR	121	Air Conditioning/Refrigeration 2	3/4
ENE	295	Topic in: Critical Site Operations	3
		Humanities/Fine Arts Elective 3	3
		Social/Behavior Science Elective 4	3

- 1 ENE 195, ENE 228, ENE 295, ELE 148 are only offered on the Manassas and Loudoun campuses
- AIR 121 is offered on the Loudoun and Woodbridge campuses. ELE 250 is offered on the Loudoun and Manassas campuses
- 3 See humanities/fine arts courses listed under General Education Electives
- 4 See social/behavioral science courses listed under General Education Electives

DCO is a Specialization of the Engineering Technology (ET) A.A.S. Degree

**Total Credits: 60-61** 

75-80% of A.A.S. courses in ET and DCO are the same



### C.S.C. Courses

(Career Studies Certificate)

1st Se	Credits 13		
CAD	175	Schematics & Mechanical Diagrams	2
ELE	150	A.C. and D.C. Circuit Fundamentals	3
IND	137	Team Concepts in Problem Solving	3
MTH	111	Basic Technical Mathematics (or higher)	3
SAF	130	Industrial Safety - OSHA 10	1
SDV	100	College Success Skills - OR -	
SDV	101	Orientation to (a Specific Discipline)	1
2nd Semester			Credits 13
ELE	146	Electric Motor Control	4
ELE	148	Power Distribution Systems	3
ELE	250	Fiber Optic Technology	3
ENE	195	Topics in: Introduction to Data Center Operations	3

The one-year C.S.C. curriculum is designed to prepare students for entry-level employment in data centers or companies that support data center function as a technician, operator, and/or technologist. Coursework will prepare students to

**Total Credits: 26** 

A total of 26 credits is required for the Data Center Operations (DCO) Career Studies Certificate (C.S.C).

earn the BICSI Installer 2 (Fiber Optic) and OSHA 10 industry credentials.



Accepted Credit for Prior Learning (CPL) for DCO A.A.S. (CPL's for the C.S.C. may be equal to or less than the list below):

OSHA - OSHA 10 Certification

For More Info about NOVA's

Data Center Operations A.A.S. Degree Specialization or C.S.C. go to <a href="https://www.nvcc.edu/iet">www.nvcc.edu/iet</a>













# DATA CENTER OPERATIONS



