

# Network Operations & Systems Security Professional Certificate

This certificate is designed to prepare students for entry-level careers involving the protection of computers, networks and information systems against unauthorized access or modification of information, and against the denial of service to authorized users. Includes those security measures, both physical and virtual, necessary to detect, document, and counter such threats.

Curriculum content includes basic computer and networking skills, physical and virtual security processes and procedures, and introduction to security management, planning, and recovery.

The program includes preparing students for the CompTIA A+, Security+, Linux+, and Microsoft MCSA & MTA certification examinations. Employers include business and industrial firms, financial institutions, government agencies, consulting firms, software developers, health providers, and Internet service providers.

Courses in this certificate transfer towards the Network Operations & Security (NOSS ) AAT or AAS-T

## Program Length

This program is approximately four quarters long, depending on the time students need to satisfactorily complete all graduation requirements.

## Admission Dates

Summer, fall, winter, and spring quarters.

## Completion Requirements

### Prerequisite(s)

Prior to completion of first quarter, student must provide documentation of a background check with Washington State Patrol.

## Program Course List

|                |                                    |          |
|----------------|------------------------------------|----------|
| <b>NOS 100</b> | <b>IT Fundamentals I</b>           | <b>4</b> |
| <b>NOS 105</b> | <b>IT Fundamentals II</b>          | <b>4</b> |
| <b>NOS 110</b> | <b>Cyber Security Fundamentals</b> | <b>4</b> |
| <b>NOS 115</b> | <b>Introduction to Networking</b>  | <b>4</b> |
| <b>NOS 120</b> | <b>Desktop Support I</b>           | <b>4</b> |
| <b>NOS 125</b> | <b>Desktop Support II</b>          | <b>4</b> |

|                 |                                                 |           |
|-----------------|-------------------------------------------------|-----------|
| <b>NOS 130</b>  | <b>Server OS Installation and Configuration</b> | <b>4</b>  |
| <b>NOS 135</b>  | <b>Scripting for Network Admins</b>             | <b>4</b>  |
| <b>NOS 140</b>  | <b>Linux I</b>                                  | <b>4</b>  |
| <b>NOS 145</b>  | <b>Administering Windows Server OS</b>          | <b>4</b>  |
| <b>NOS 150</b>  | <b>Virtualization and Cloud Technologies</b>    | <b>4</b>  |
| <b>NOS 155</b>  | <b>Linux II</b>                                 | <b>4</b>  |
| <b>NOS 160</b>  | <b>Server Security</b>                          | <b>4</b>  |
|                 | <b>English Composition or Public Speaking</b>   | <b>5</b>  |
|                 | <b>Any 100-Level Math Class</b>                 | <b>5</b>  |
|                 | <b>General Psychology</b>                       | <b>5</b>  |
| <b>COLL 102</b> | <b>College Success For All</b>                  | <b>3</b>  |
|                 | <b>Total Credit Hours:</b>                      | <b>70</b> |

NOTE:

General Psychology or other social science or humanities class