



20000 68th Ave W  
Lynnwood, WA 98036-5999  
www.edcc.edu

# Computer Science/ Computer Information Systems Linux Security Specialist Certificate Program Requirements 2011-2012

Student Name \_\_\_\_\_  
Student ID \_\_\_\_\_

**Program Description** The purpose of the Linux Security Specialist Certificate is to prepare students to design, administer and implement security solutions for Linux hosts and servers. Topics of the program include secure Linux installation and configuration, performance monitoring, file/process management, trouble-shooting, backup/recovery, command line operations (shell/utilities), scripting (shell/Perl), securing and hardening hosts, servers and network services, implementing firewalls, and intrusion detection. Upon completion of this certificate students may be qualified for the following jobs:

- Linux Administrator
- Linux Security Administrator
- Linux Script Programmer
- Linux Network Technician

In addition, students may be able to obtain industry recognized certification in:

- Linux +

**Degree Outcomes** Outcomes for Edmonds Community College degrees and certificates can be found in the online college catalog at the bottom of each degree or certificate. To find specific outcomes, click on the degree or certificate from the program list in the online catalog at <http://catalog.edcc.edu>.

**Common Course Numbering Changes** Please refer to [www.edcc.edu/ccn](http://www.edcc.edu/ccn) for more information.

**Entry Requirements** This certificate begins at an advanced level and is designed for students already in the IT networking field. **Students MUST see a CIS faculty adviser for proper placement into this program.**

**Certificate Requirements** This certificate is awarded upon a student's completion of a minimum of **30** credits of *Program Requirements* as outlined. A minimum of 30 credits or one-third of the required

credits, whichever is less, must be earned at Edmonds Community College. Students are required to maintain a minimum cumulative grade point average of 2.0 in all college-level courses as well as a minimum grade point average of 2.8 within the program requirements. Students planning to continue on to 2-year degrees should plan ahead while working toward their certificate. For a smooth transition from certificate to degree, students should see a CIS or CS adviser at their earliest opportunity.

## Students Are Advised To

- Plan their schedule several quarters in advance in order to accommodate courses that are offered only once or twice a year
- Review the college catalog for required course prerequisites and include these in schedule planning
- Check plans with the appropriate faculty adviser

**Graduation Application** A completed Graduation Application form must be submitted to Enrollment Services by the 10<sup>th</sup> day of the quarter in which the student expects to graduate. Forms are available at Enrollment Services located in Lynnwood Hall, or online at [www.edcc.edu/credentials/](http://www.edcc.edu/credentials/).

More information about CIS and CS programs is available by visiting the web sites below or by calling 425-640-1902.

## College Resources

CIS Department	<a href="http://cis.edcc.edu">http://cis.edcc.edu</a>
CIS Info Sec	<a href="http://infosec.edcc.edu">http://infosec.edcc.edu</a>
CS Department	<a href="http://cs.edcc.edu">http://cs.edcc.edu</a>
Home Page	<a href="http://www.edcc.edu">http://www.edcc.edu</a>
How to enroll	<a href="http://getstarted.edcc.edu">http://getstarted.edcc.edu</a>
College Bookstore	<a href="http://www.edcc.edu/bookstore">http://www.edcc.edu/bookstore</a>
Advising Appointments	425-640-1458

**Program Requirements (30 credits)**

			<b>Cr</b>	<b>Trans</b>	<b>Grade</b>
CIS	271	Linux +	5	_____	_____
CIS	276	Host System Security II	5	_____	_____
CIS	283	Linux Server Security	5	_____	_____
CS	125	Linux/UNIX I	5	_____	_____
CS	126	Linux/UNIX II	5	_____	_____
CS	225	UNIX Shell Programming <b>OR</b>	5	_____	_____
CS	226	Advanced UNIX PERL	5	_____	_____

**Prerequisites**

<b>Class</b>	<b>Prerequisite</b>
CS 125	None
CS 126	CS 125
CIS 271	CS 125
CIS 276	CIS 271
CIS 283	CIS 276
CS 225	CS 125
CS 226	CS 125



Student has met with faculty adviser for proper placement

Adviser signature \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
Adviser's Signature\_\_\_\_\_  
Date\_\_\_\_\_  
Dean's Signature\_\_\_\_\_  
Date