



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

Computer Science / Computer Information Systems Linux Security Specialist Certificate Program Requirements 2009-2010

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: For information on degree outcomes, see www.edcc.edu/outcomes/degrees.php.

Common Course Numbering Changes: Attention! At this time, 408 courses have had numbering changes due to the common course numbering project. It is important for you to plan your schedule carefully. Please refer to 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:

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

Graduation Application A completed Graduation Application form must be submitted to Enrollment Services by the 10th 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/

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

PGM Code 515M
Effective summer 2009

01/09

Program Requirements (30 credits)

Cr Trans Grade

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	5	_____	_____
CS	226	Advanced UNIX: PERL			

Prerequisites:

Class:	Prerequisite:
CS 125	None
CIS 271	CS 125
CIS 276	CIS 271
CIS 126	CIS 125
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

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