

# COMPUTER SECURITY and NETWORKING

Curriculum Guide for Academic Year 2016 -2017

## Table of Contents

Associate in Science Degree, p. 1

Certificate of Achievement, p. 2

Certific



Certificate: Computer Hardware Technician 4126

<u>REQUIRED COURSES</u>		UNITS	In Progress	Completed Grade
COSA 50	Intro to IT concepts & Applications	4		
COSN 5	Computer Hardware Fundamentals	4		
TOTAL UNITS		8		

Certificate : Computer Network Technician 4125

<u>REQUIRED COURSES</u>		UNITS	In Progress	Completed Grade
COSN 10	Network Fundamentals	4		
COSN 200	Wireless and Mobile Devices	2		
TOTAL UNITS		6		

Certificate: UNIX Network Administrator 4921

<u>REQUIRED COURSES</u>		UNITS	In Progress	Completed Grade
COSN 10	Network Fundamentals	4		
COSN 205	Unix/Linux Fundamentals	4		
COSN 210	Linux Server Administration	4		
COSN 215	Linux Networking and Security	4		
TOTAL UNITS		16		

For graduation with a Certificate of Accomplishment:

1. Complete the above required courses with a minimum grade of "C", or "P" if course is graded on a P/NP basis.
2. Fifty percent (50%) or more of the required units must be completed in residence at LBCC.
3. Complete and submit the certificate application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu>.

## Career Opportunities

This Associate Degree or Certificate of Achievement is a two-year program leading to the Associate in Science (A.S.) degree. It is designed to prepare students for employment in a variety of computer related fields. Students wishing a bachelor's degree (transfer program) should meet with a counselor to discuss transferability of courses.

## Program Mission and Outcomes

The mission of the Computer Networking curriculum is to skillfully train students by providing strategically designed courses to meet their academic, transferable, and career needs.

Outcomes:

- Install, configure, manage and troubleshoot a small office/home office network (wired or wireless)
- Secure wired and wireless networks
- Install, configure and manage client and server operating systems
- Harden servers against intrusion

## Legend

† This course has a prerequisite. Prerequisite courses must be complete with at least a "C" or "P" grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursedetails/>) for specific prerequisite information.