



# CIS/CNT/CS ADVISORY BOARD AD HOC MEETING

April 12, 2018 / 1:30pm / Room 1687

## LPC Mission Statement

Las Positas College is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

## LPC Planning Priorities

- ❖ Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- ❖ Provide necessary institutional support for curriculum development and maintenance.
- ❖ Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.
- ❖ Coordinate available resources to address current and future professional development needs of faculty, classified professionals, and administrators in support of educational master plan goals.

	Agenda Item	
1.	<p><b>Welcome and Introductions</b> <b>Members Present:</b></p> <p>Debbie Fields – Las Positas College; Bryan Lawver – Las Positas College; Fara Rahbar – Lawrence Livermore National Security; Eduardo Salaz – LPC Foundation; Sarah Holtzclaw – TriValley OneStop; Donald Hester – Las Positas College; Tom Curl – Livermore High School; Tamia Brown – Alameda County Workforce Development Board; Vicki Shipman – Las Positas College; Heike Gecox – Las Positas College.</p>	Chair
2.	<p><b>Approval of Curriculum</b></p> <p>Faculty presented the following certificates for approval:</p> <ol style="list-style-type: none"> <li>1. Cisco Network Associate Certificate of Achievement</li> <li>2. Computer Desktop Operating System Security Certificate of Achievement</li> <li>3. Computer Network Technician Certificate of Achievement</li> <li>4. Digital Forensics Examiner Certificate of Achievement</li> <li>5. Microsoft Systems Administrator Certificate of Achievement</li> </ol> <p>Programs of Study for each were distributed for review (attached to these minutes).</p> <p>Advisory recommendation to approve curriculum as presented (voting document attached to these minutes).</p>	Chair

## PROGRAM OF STUDY

### Cisco Network Associate A CA - Certificate of Achievement (18 or greater semester units)

The CNT program prepares students for a variety of career opportunities including the networking field. CNT classes prepare students for Cisco CCNA and CCNP certification tests, Microsoft MCSE and MCSA tests, and CompTIA Net+, Security+ and A+ tests. Constantly evolving and modernizing classes include targeted skills training in Emerging Technologies like Wireless, VoIP, VPN, Computer Forensics, Incident Response, Network Security and OS Hardening. Many of these subjects have become basic required knowledge even in other career fields. Students in Business, the Sciences, Arts and Administration of Justice will all need skills in network technologies to excel in their fields. Certificates of Achievement and Career Certificates provide quick paths to validate training in today's important tech knowledge areas. The program also includes an AS degree in Network Security Administration. This degree incorporates the latest in Emerging Technologies and skills employers are seeking.

### Career Opportunities in Computer Networking Technology - LPC

Network Administrator, Network Service Technician, Desktop Repair Technician, Help Desk Operator, Technical Support Technical, Technical Salesperson

Required Core		Units
CNT 43	Professional Communications	4
CNT 50	Introduction to Desktop Operating Systems	2
CNT 51	CompTIA's A+ Certification Computer Technician	2
CNT 52	Networking Fundamentals	3
CNT 8001	Introduction to Networks (CCNA1)	3
CNT 8002	Routing and Switching Essentials (CCNA2)	3
CNT 8003	Cisco CCNA3 Scaling Networks	3
CNT 8004	Cisco CCNA4 R&S Connecting Networks	3
<b>Total Units</b>		<b>23</b>

## PROGRAM OF STUDY

### Computer Desktop OS Security A CA - Certificate of Achievement (18 or greater semester units)

The Computer Desktop OS Security Certificate of Achievement program will give students the advanced skills needed to learn how to protect computer operating systems, secure electronic assets, prevent attacks, ensure the privacy of customers, and build secure infrastructures. Through six courses, students will have access to the latest research and best practices from cyber security professionals and faculty. The course material is condensed, relevant, and designed specifically for busy professionals in today's cyber workforce.

### Career Opportunities in Computer Networking Technology - LPC

Students who obtain this certificate will be qualified for a number of careers in information technology and cybersecurity. Example careers include, but not limited to the following: Systems administration, network administration, network technician, systems technician, desktop support, and cybersecurity specialists.

Required Core		Units
CNT 50	Introduction to Desktop Operating Systems	2
CNT 51	CompTIA's A+ Certification Computer Technician	4
CNT 54	Administering Windows Client	4
CNT 68	Digital Forensics Fundamentals	3
CNT 69	Network Security Sec+	3
CNT 7401	Intro to Linux/LPI Linux+ Certification	3
<b>Total Units</b>		<b>19</b>

## PROGRAM OF STUDY

### Computer Network Technician A CA - Certificate of Achievement (18 or greater semester units)

The Computer Network Technician Program consists of foundation courses designed to teach the skills necessary to assist with designing, configuring, installing, maintaining, and repairing work station and network systems, network devices and servers; providing information, support and/or recommendations regarding desktop installations and configurations. Networks Technicians support internal users with their computer and/or telecom equipment, in person or remotely. Network Technicians troubleshoot software and hardware issues, perform repairs as needed, typically under the instructions of an IT Manager, or as requested by clients. They ensure that all transmission media, mostly cable links, are intact and offer quality uninterrupted communications to all users.

### Career Opportunities in Computer Networking Technology - LPC

Computer Technician, Network Technician, Network Administrator, Computer Support Specialist, Cable Installer, Network Installer, Help Desk Support Specialist, Bench Technician.

Required Core		Units
CNT 43	Professional Communications	4
CNT 50	Introduction to Desktop Operating Systems	2
	<b>or</b>	
CIS 65	Introduction to Desktop Operating Systems	2
CNT 51	CompTIA's A+ Certification Computer Technician	4
CNT 52	Networking Fundamentals	3
CNT 54	Administering Windows Client	4
<b>Total Units</b>		<b>17</b>

110 689

## PROGRAM OF STUDY

### Digital Forensics Examiner A CA - Certificate of Achievement (18 or greater semester units)

The Digital Forensics Examiner Certificate of Achievement program provides a foundation for the performance of activities within the digital forensics professions. A sequence of courses will enable students to: (1) acquire a knowledge base about computer crime, digital evidence and technological investigations; (2) adopt a set of professional values; and (3) develop skills related to best practices in the field of digital forensics. Students completing the Digital Forensics Certificate will be prepared to engage in digital forensic analysis in public or private sector environments as digital forensics analysts or examiners, digital evidence technicians, consultants and expert witnesses, litigation support and e-discovery specialists, and members of incident response teams in cyber security. Individuals working in Digital Forensics or a related field will enhance their current knowledge and skills.

### Career Opportunities in Computer Networking Technology - LPC

Computer forensics examiner, Security consultant, Certified computer forensics examiner (CCFE), Mobile forensics expert, Computer crime investigator, Cryptoanalyst, Cryptographer, Disaster recovery expert, Information Technology Auditor, Malware Analyst, Information Security Analyst, Forensic Computer Analyst, Information Systems Security Professional.

Required Core		Units
AJ 60	Criminal Law	3
CNT 51	CompTIA's A+ Certification Computer Technician	4
CNT 69	Network Security CompTIA Sec+ Cert.	3
CNT 68	Digital Forensics Fundamentals	3
CNT 7401	Intro to Linux/LPI Linux+ Certification	3
CNT 7501	WhiteHat Hacker Penetration Testing	4
CNT 8001	Introduction to Networks (CCNA1)	3
<b>Total Units</b>		<b>23</b>

PID 687

## PROGRAM OF STUDY

### Microsoft Systems Administrator A CA - Certificate of Achievement (18 or greater semester units)

The Microsoft Systems Administrator Certificate program will give students the advanced skills needed to learn how to install, configure and manage Microsoft client and server operating systems. Students will also learn enterprise services such as Active Directory and network infrastructure. Students who complete this program are eligible to test for the Microsoft Certified Solutions Associate, an industry-recognized certification, and to continue their education with the Microsoft Systems Administrator Certificate from Las Positas College.

### Career Opportunities in Computer Networking Technology - LPC

Potential jobs include network administrator, computer technicians, IT infrastructure designer, IT consultant, SOHO installers, cabling technicians, computer auditors, and most jobs related to computer networks.

<b>Required Core</b>		<b>Units</b>
CNT 50	Introduction to Desktop Operating Systems	2
	<b>or</b>	
CIS 65	Introduction to Desktop Operating Systems	2
CNT 52	Networking Fundamentals	3
CNT 54	Administering Windows Client	4
CNT 55	Installing & Configuring Windows Server MCSA I	3
CNT 56	Administering Windows Server MCSA II	3
CNT 57	MS Server Advanced Services MCSA III	3
<b>Total Units</b>		<b>18</b>

# Computer Technology Networking Certificate

Advisory Vote of Certificate Development

12-Apr-18

1:30pm

First	Last	Organization	Yes	No	Abstain
Debbie	Fields	Las Positas College	X		
Bryan	Lawver	Las Positas College	X		
Farah	Rahbar	Lawrence Livermore National Security	X		
Eduardo	Salaz	LPC Foundation Industry Representative	X		
Sarah	Holtzclaw	TriValley OneStop	X		
Donald	Hester	Las Positas College	X		
Craig	Kutil	Las Positas College	X		
Tom	Curl	Livermore High School	X		
Heather	Morelli	TriValley ROP	absent		
Tamia	Brown	Alameda County Workforce Development Board	X		
Vicki	Shipman	Las Positas College	X		
Heike	Geroy	LPC	Y		