10/21/2022 DATE

☐ REQUIRED COURSE
☑ ELECTIVE COURSE

Business DIVISION

☐ NEW COURSE
☑ REVISION

Lake Land College
Course Information Form

COURSE NUMBER:	CIS-071	TITLE: *(30 Characters Max)*	Introduction to Networking

SEM CR HRS:	2	Lecture:	2	Lab:	0		ECH:	2

Course Level:	☐ Gen Ed / IAI ☐ Baccalaureate /Non-IAI	☑ Career/Technical ☐ Dev Ed/ Not in Degree Audit	Clinical Practicum:	0	Work-based Learning	0	WBL ECH:	0

COURSE PCS #	12 - 11. 0901	IAI Code				Contact Hours Per Week		
Repeatable (Y/N):	Y	Pass/Fail (Y/N): N	Variable Credit (Y/N): N	Min:	Max:	16 Wks	100	8 Wks	200

Prerequisites:	
Catalog Description: (40 Word Limit)	An overview of computer hardware, software, networks, Internet, web applications, systems, security and troubleshooting. To be used as an introduction to the Network Administration program or to supplement another computer-related degree.

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Introduction to Computers	2			
Operating Systems	3			
System Hardware	3			
File Systems	3			
Maintenance Procedures	3			
Foundations of Networks	4			
Network Components and Connectivity	4			
System Administration and Security	4			
Troubleshooting	4			
TOTAL	30	0	0	0

EVALUTION

QUIZZES ☑	EXAMS ☑	ORAL PRES ☐	PAPERS ☑
LAB WORK ☑	PROJECTS ☐	COMP FINAL ☑	OTHER ☐

COURSE MATERIALS

TITLE:	Technology Now ISBN-13: 9781305670112
AUTHOR:	Corinne Hoisington
PUBLISHER:	Cengage Learning
VOLUME/EDITION/URL:	
COPYRIGHT DATE:	2018

TITLE:	CompTIA A+ Guide to IT Technical Support ISBN-13: 978-0357108291
AUTHOR:	Jean Andrews
PUBLISHER:	Cengage Learning
VOLUME/EDITION/URL:	
COPYRIGHT DATE:	2019

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Introduction to Computers	2	1. Identify the differences between and OS and a Network OS and realize the function of the operating system.

Operating Systems	3	1. Identify the different strengths and weaknesses of each of the non-Microsoft Operating Systems.
		   A. Mac OS X
		   B. Linux/Unix
		   C. Others
		2. Understand and explore the User Interface of modern of the Microsoft Operating Systems.

System Hardware	3	1. Identify input, output, processing, and storage devices.
		2. Understand the basics of hardware troubleshooting.
		3. Explore the major components of the modern PC.
		    A. Motherboard and memory
		    B. Power supplies
		    C. Hard drives and flash media

File Systems	3	1. Explore the configuration options for the Microsoft Client OS. A. Control Panel B. User Interface C. File Manipulation D. System Configuration
Maintenance Procedures	3	1. Understand typical maintenance procedures on a PC.
Foundations of Networks	4	1. Become familiar with the topic of networking and its major function. 2. Understand the major topologies and their advantages and disadvantages.
Network Components and Connectivity	4	1. Understand the options available in network writing and devices. A. Wiring options (copper & fiber) B. Repeater/Hub C. Bridge and Router 2. Understand the functions of network protocols. 3. Understand how to connect computers.
System Administration and Security	4	1. Understand how larger computer networks are managed. 2. Identify best practices in system security. 3. Become familiar with intrusion prevention and attack remediation.
Troubleshooting	4	1. Recognize hardware errors and their codes. 2. Understand how to test network connectivity.
Insert New Line Above this Line		
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	• Understand the major networking topologies
	• Understand network wiring options
	• Understand major network protocols

Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.