

Lake Superior College

Program Planner

Created on: 04/27/05

Updated: 02/08/11

Effective: *Fall 2011*

Qualified applicants should be aware that program class sizes are limited, which may delay acceptance into the program.

You may be required to complete additional (or less) coursework, dependent upon the results of your Computerized Placement Test (CPT) and/or previous coursework completed or certifications earned.

General Education courses required by this program may be taken during any term, as long as the specific prerequisites for that course have been met. Please check with your advisor.

Program: IT Specialist: Network Administration
(MCITP/CCNA)

Degree Type: Associate in Applied Science

Total Required Credits: 72

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English:

- A score of 86 or higher on the Sentence Skills portion of the CPT, OR
- Completion of ENGL0460 or its equivalent transfer course or higher.
- If required, ENGL0460 may be taken concurrently with Semester I coursework.

Mathematics:

- A score of 71 or higher on the Elementary Algebra Skills portion of the CPT, OR
- Completion of MATH0460 or its equivalent transfer course or higher.
- If required, MATH0460 may be taken concurrently with Semester I coursework.

Reading:

- A score of 78 or higher on the Reading Comprehension portion of the CPT, OR
 - Completion of READ0465 or its equivalent transfer course or higher.
 - If required, READ0465 may be taken concurrently with Semester I coursework.
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Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000	Intro to College (None)	F/S	1	
CIS1521	A+ Operating Systems Technologies (College-level reading and writing or concurrent enrollment)	F	3	
CIS1522	A+ Core Hardware (College-level reading and writing or concurrent enrollment)	F	3	
CIS1745	Network Administration: UNIX (College-level reading and writing or concurrent enrollment)	F	3	
CIS1946	CISCO Networking I (None)	F	4	
	General Education Elective (Refer to Table 2)	F	3	
Total Credits for Term			17	

Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CIS1500	Computer User Support (Completion of Semester I or instructor's consent)	S	3	
CIS1947	CISCO Networking II (CIS1946 or instructor's consent)	S	4	
CIS1950	Network Administration: Windows Client (CIS1401, CIS1521, or instructor's consent)	S	3	
CIS1972	Network Administration: SQL Server (Completion of Semester I or instructor's consent)	S	3	
	General Education Elective (Refer to Table 2)	S	3	
Total Credits for Term			16	

Summer Session

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
	General Education Electives (Refer to Table 2)	SUM	4-5	
Total Credits for Term			4-5	

Semester III

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CIS2948	CISCO Networking III (CIS1947 or instructor's consent)	F	3	
CIS2949	CISCO Networking IV (CIS2948 or instructor's consent)	F	3	
CIS2952	Network Administration: Windows Server (CIS1950 or instructor's consent)	F	4	
MATH1100 OR MATH1105 OR PHIL1125	College Algebra (MATH0470 or MATH0480 or appropriate placement score) OR Principles of Mathematics (MATH0460 with a "C" or better or appropriate placement test score) OR Logic (College-level reading and writing and MATH0460 or equivalent)	F/S F/S F/S	4 (3) (3)	
	Technical Electives (Refer to Table 1)	F	3	
Total Credits for Term			16-17	

Semester IV

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CIS2810	Network Administration: Security (CIS1947 or instructor's consent)	S	3	
CIS2820	Network Administration: Active Directory (CIS2952)	S	3	
CIS2954	Network Administration: Windows Network Infrastructure (CIS2952 or instructor's consent)	S	3	
CIS2976	Emerging Technologies in Information Systems (Completion of the first year of any CIS degree or diploma or instructor's consent)	S	1	
CIS2980	Internship (Permission of the department and required second-year courses)	F/S	2	
CIS2987	CIS Capstone (Students must have completed Semesters I, II and III of the program planner from which the student intends to graduate)	S	3	
	Technical Electives (Refer to Table 1)	S	3	
Total Credits for Term			18	

Table 1: Technical Electives

(Choose six credits from the following:)

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CIS2560	Web Server Administration (CIS1519 or CIS1521)	F	3	
CIS2845	Network Administration: UNIX Networking and Security (CIS1745)	S	3	
CIS2973	Network Administration: Server Virtualization (CIS1947 or instructor's consent)	F	3	
CIS2974	Network Administration: Exchange Server (CIS2952)	S	3	
CIS2999	Special Topics in Computer Information Systems	F/S	1-3	

Table 2: General Education Requirements (15 Credits)

General Education courses shall be selected from at least three (3) of the ten (10) goal areas of the Minnesota Transfer Curriculum. The general education courses listed below are required and satisfy the MTC goal areas.

Course ID#	MTC Goal Area	Credits	Grade/ Term
FYE1000		1	
MATH1100, MATH1105, or PHIL1125	4	3-4	
General Education – Other		10-11	

- All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners.
- This is not a contract; Lake Superior College reserves the right to change the planner as necessary.
- This document can be made available in alternative formats, such as large print, Braille, or audio tape, by calling 733-7650 or MRS/TTY 800-627-3529.