

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Computer Networking and Communication
Associate in Business Degree

Curriculum Code: 0791 (Effective Fall 2005 – Summer 2010)

Computer networking and communication specialists plan, develop, and administer network and communication systems. They may provide software and hardware support for the networking infrastructure. They may develop applications for network use and may deploy applications and database systems on the network. They may oversee the operation of the network including network, database, and application systems. They will work with Internet and World Wide Web connections and may develop home pages and implement and maintain e-mail systems. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor or counselor before enrolling in any course.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact Media, Art, and Information Technologies Department, Old Central Building, Room 137, telephone number (517) 483-1546.

REQUIREMENTS

CODE	TITLE	TOTAL: 45 CREDITS CREDIT HOURS
CITF108	Microsoft Windows	2
CITF110	Intro Computer Info Systems	3
CITF120	Operating Systems Concepts	3
CITF200	Information Systems and Problem Solving	3
CITN120	Introduction to Networking	3
CITN220	Networking Concepts	3
CITN230	Linux/UNIX Operating System	3
CITN250	Microsoft Network Server	3
CITN270	Novell Netware Administration	3
CITN280	IT Security Foundations	3
CITP110	Introduction to Computer Programming	4
CITS120	A+ Core Hardware Technologies	3
CITS130	Computer Software Support	3
CITW150	Internet Literacy	3
CITW160	Developing Pages for the Web	3

LIMITED CHOICE REQUIREMENTS

TOTAL: 25-30 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: General Education Core Areas **13–17 Credits**
 (See *General Education Core Requirements* for information on how to fulfill these requirements.
 Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area (See Note 1)	3–4
Global Perspectives and Diversity Core Area (See Note 2)	3–4
Mathematics Core Area (See Note 3)	3–4
Science Core Area (See Note 4)	4–5
Writing Core Area (See Note 5)	0

CHOICE 2: Writing (See Note 5) **3–4 Credits**

WRIT121 Composition I	4
WRIT127 Business Writing	3

CHOICE 3: Computer Specialty Area (See Note 6) **9 Credits**

CITA110 Introduction to Microsoft Office	3
CITA130 Microsoft FrontPage	3
CITD120 SQL Concepts	2
CITD250 Database Concepts	3
CITF104 Introduction to DOS	1
CITF105 DOS Management	1
CITF240 Information Technology Project Mgmt	3
CITF260 Systems Analysis and Design	4
CITP150 Introduction to VB.Net Programming	4
CITP190 Introduction to Programming in JAVA	3
CITS285 IT Professional Internship	2–3
CITW165 Advanced Web Development	3
CITW175 Web Site Mgmt	3
CITW180 ASP.Net Web Development	4
CITW190 Web Portfolio	2

MINIMUM TOTAL **70**

NOTES:

1. SPCH110 or SPCH120 are recommended for the Communication Core area.
2. OADM275 is recommended for the Global Perspectives and Diversity Core area.
3. MATH119 is recommended for the Mathematics Core area.
4. ISCI131 is recommended for the Science Core area.
5. Students must complete one course from CHOICE 2 to fulfill the requirements for the Writing Core area.
6. Other CIT_ prefix courses may be approved for CHOICE 3 by a Computer Information Technology Academic Program advisor. Additionally, students who have completed the Internet for Business Certificate of Achievement or the Internet for Business Certificate of Completion may apply their "Limited Choice: Web Development Software" courses to this area.
7. For graduation from this program, a student must have earned a minimum 2.0 grade in all courses.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III	IV
CITF108	CITF120	CITF200	CITN230
CITF110	CITN120	CITN220	CITN250
CITP110	CITS120	CITW160	CITN270
CITW150	CITS130	Lim.Ch.1	CITN280
Lim.Ch.1	Lim.Ch.1	Lim.Ch.3	Lim.Ch.1
Lim.Ch.2		Lim.Ch.3	Lim.Ch.3