

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Computer Database Specialist  
Certificate of Achievement

Curriculum Code: 0917 (Effective Fall 2006 – Summer 2011)

Database specialists must be able to determine information requirements of users; use technology systems and processes to devise means through which to gather and sort needed information; and implement effective solutions for reporting necessary information using industry-standard database tools. Certificate holders may qualify for entry level/hands-on positions in this or a related area. Additional training will enhance individual employment and advancement opportunities.

### 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 the Media, Art, and Information Technologies Department, Gannon Vocational-Technical Center, Room 131, telephone number (517) 483-1546 or Counseling and Advising Centers, Gannon Vocational-Technical Center, Room 204, telephone number (517) 483-1904.

### REQUIREMENTS

CODE	TITLE	TOTAL: 25 CREDITS CREDIT HOURS
CITA133	Microsoft Access Database	3
CITA233	Advanced Microsoft Access	2
CITD120	SQL Concepts	2
CITD250	Database Concepts	3
CITF107	IC3 Certification	3
CITF108	Microsoft Windows	2
CITF200	Information Systems and Problem Solving	3
CITN120	Introduction to Networking	3
CITP110	Introduction to Computer Programming	4

### LIMITED CHOICE REQUIREMENTS

TOTAL: 6-8 CREDITS

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

#### CHOICE 1: Computer Specialty Area (See Note 1)

6-8 Credits

BUSN118	Introduction to Business	3
CITD130	Introduction to Oracle: SQL	3
CITD131	Oracle PL/SQL Program Units	3
CITF260	Systems Analysis and Design	4
CITP150	Introduction to VB.NET Programming	4
CITP190	Introduction to Programming in JAVA	3

MINIMUM TOTAL

31

**NOTES:**

1. Other CIT\_ prefix courses may be approved for CHOICE 1 by a Computer Information Technology program advisor.
2. Students must complete all courses with a grade of 2.0 or higher to receive this certificate of achievement.

**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
CITA133	CITA233	CITP250
CITD120	CITF200	Lim.Ch.1
CITF107	CITN120	Lim.Ch.1
CITF108	CITP110	