

Computer Information Systems: Database Management

Certificate

MHCC Faculty Adviser

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Room AC 1274

The Database Management Certificate program prepares individuals to design and manage the construction of databases and related software programs and applications using the Oracle Tools as a baseline. In today's corporate climate, data needs to be processed and stored in databases. Relatively few people know how to effectively create and maintain these databases. This area is a highly skilled occupation. Our classes instruct students in up-to-date theoretical basics to assist them in getting off to a solid start.

It is recommended that students complete CIS120, CIS120L, and CIS125SS before beginning this program.

First Quarter (Fall)		Credits
CIS100	Computer Careers Exploration.....	1
CIS125DB	Desktop Database ¹	3
CIS195	Web Development I.....	3
MTH65	Beginning Algebra II (or higher, excluding MTH211) ² ‡.....	4
	Human Relations requirement‡.....	3-4

14-15

Second Quarter (Winter)

CIS122	Computer Concepts III.....	4
CIS133SQL	Introduction to SQL.....	4
CIS140	Introduction to Operating Systems.....	4
CIS197HTM	Web Authoring: HTML.....	3
CIS197CSP	Web Authoring: Client-Side Programming.....	3

18

Third Quarter (Spring)

CIS135PL	PL/SQL Developer OCA.....	4
CIS197XML	Web Authoring: XML.....	4
CIS244	Introduction to Systems Analysis.....	3
CIS297	Capstone Project Development.....	5
WR121	English Composition.....	3

19

NOTE: The course requirements for this program are subject to change each academic year. For MHCC certificate/degree requirements, a student must follow the program requirements the year the student is officially admitted to the program or the year the student is completing the program.

¹ CIS125DB has a prerequisite of CIS125SS; or instructor permission.

² Students intending to transfer must take MTH111, Pre-Calculus I: Elementary Functions or above, excluding MTH211. Students may not use demonstrated proficiency on the College Placement Test (CPT) to satisfy this requirement.

This Certificate program easily transfers into the Computer Information Systems AAS Degree.

‡ See page 10.