

# Database Management#

## Associate in Applied Science

Minimum of 61 Credits

This plan of study is part of a cooperative alliance with Francis Tuttle and Moore Norman Technology Centers\*\*\*. Major courses in the degree plan are not available on the main campus of Oklahoma City Community College. Database Administrators are responsible for the accuracy, security and accessibility of data. This degree includes courses in database design, database administration, performance tuning, database networking and backup/recovery using relational database products. Students are prepared for industry certification exams from Oracle. Other topics of study include UNIX for database administrators.

Course #	Course Name	Credits	Type	Prerequisites
<i>Suggested Freshman 1st Semester</i>				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	Life Skills	None
DBM 1103	Database Theory	1	Major	(R) (W) (M), Students must have a third party certification in one of the following: CompTIA's A+, CompTIA's NET+, CompTIA's iNET+, Microsoft MCP, Oracle OCP or have completed 18 credit hours of faculty approved computer science course work before beginning the Database Management program of study.
DBM 1313	Introduction to SQL	4	Major	(R) (W) (M), DBM 1103 Database Theory
ENGL 1113	ENGLISH COMPOSITION I	3	Gen Ed	(R) (W), Adequate reading and writing assessment scores or LS 0033 College Writing II, either taken within the last year, with strong encouragement for immediate continuation.
FA MATH1	FACULTY APPROVED MATHEMATICS THAT MEET OCCC'S MATHEMATICS PROFICIENCY REQUIREMENTS	3	Support	
FA SUPPORT	FACULTY APPROVED SUPPORT ELECTIVES	3	Support	
<i>Suggested Freshman 2nd Semester</i>				
DBM 1333	Database Administration	4	Major	(R) (W) (M) DBM 1313 Database Administration
HIST 1483	U.S. HISTORY TO THE CIVIL WAR --OR--		Gen Ed	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	Gen Ed	(R) (W)
OSRHE1	* OSRHE APPROVED GENERAL EDUCATION COMMUNICATIONS OR ENGLISH COURSE*	3	Gen Ed	
FA SUPPORT	FACULTY APPROVED SUPPORT ELECTIVES	3	Support	
<i>Suggested Sophomore 1st Semester</i>				
DBM 2213	PL/SQL Programming	2	Major	(R) (W) (M), DBM 1103 Database Theory and DBM 1313 Introduction to SQL
FA MAJOR	FACULTY APPROVED MAJOR ELECTIVE	4	Major	
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	Major	(R) (W)
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	Gen Ed	(R) (W)
GEN ED	GEN ED ELECTIVE	3	Gen Ed	
<i>Suggested Sophomore 2nd Semester</i>				
DBM 2313	DATABASE BACK UP AND RECOVERY	3	Major	(R) (W) (M), DBM 1334 Database Administration
FA MAJOR	FACULTY APPROVED MAJOR ELECTIVE	3	Major	
GEN ED	GEN ED ELECTIVE	3	Gen Ed	
FA SUPPORT	FACULTY APPROVED SUPPORT ELECTIVES	6	Support	

Major Courses: (27 credit hours) DBM 1101; DBM 1314; DBM 1334; DBM 2313; DBM 2322; DBM 2334; DBM 2353; DBM 2363; DBM 2373

General Education Courses: (18 credit hours) English: ENGL 1113; Communications/English: Any Oklahoma State Regents for Higher Education approved general education communications or English course.\*;

History: HIST 1483 or HIST 1493; Political Science: POLSC 1113; General Education Electives: Six credit hours

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Support Courses: (15 credit hours) Mathematics: Three credit hours of faculty approved mathematics that meet OCCC'S mathematics proficiency requirements.\*\*; 12 hours support electives

Notes: This technical/occupational program is designed to prepare students to enter the job force following completion. See Technical/Occupational Programs in the general information section of the catalog.

Major courses are available only at Francis Tuttle and Moore Norman Technology Center. \* To be chosen from COM 1123, COM 1323, COM 2213, or Advisor approved COM elective or ENGL 1213 or ENGL 1233

\*\* Can be chosen from APPM 1223, APPM 1233, MATH 1503, MATH 1513 or Advisor approved Mathematics course.

# This program is offered through a cooperative alliance with Francis Tuttle and Moore Norman Technology Centers

\*\*\* Students must file all financial aid through the Technology Center while attending there.