

Associate of Applied Business Degree Business

Information Technology and Computer Science

Database

Database Administrator Concentration - Oracle Emphasis (9254)

This program provides students with a specialization in the administration and implementation of Oracle Server databases. Courses within this program help students prepare for certification exams.

First Semester:

BUSM 1300	Introduction to Business	3
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
MATH 1600**	Survey of College Mathematics	3
(1st 8 weeks)		
ITIS 1005	Computers and Information Processing	3
(2nd 8 weeks)		
ITCS 1010	Programming Logic	3
ITON 1030	Using Microsoft Windows Vista	1
OR		
ITON 1050	Using Microsoft Windows 7	
ITON 1205	Network+ and Networking Essentials	2
		18

Second Semester:

ACCT 1100	Introduction to Financial Accounting	4
ENGL 1121	English Composition II - Technical Focus	3
ITIS 1100	Internet: Services, Tools, and Web Page Creation	2
ITIS 1115	Internet Technologies and Concepts	2
ITON 1746	Red Hat Academy System Administration I	3
(1st 8 weeks)		
ITDB 1400	Introduction to Oracle SQL Programming	2
(2nd 8 weeks)		
ITDB 1405	Oracle PL/SQL Programming	2
		18

Third Semester:

ACCT 1200	Introduction to Managerial Accounting	3
ITCS 1820	Java Programming I	3
ITCS 2010	Systems Analysis	3
ITDB 1425	Oracle Database Administration I	2
SPCH 1050***	Fundamentals of Public Speaking	2
OR		
SPCH 1150	Fundamentals of Interpersonal Communication	
Choose course(s) from the Natural Sciences Electives list		3
		16

Fourth Semester:

ECON 1150	Basic Economics	3
OR		
ECON 2600	Principles of Microeconomics	
ITCS 1105	Web Programming I	2
ITDB 2425	Oracle Database Administration II	2
ITON 1756	Red Hat Academy Administration II	3
MATH 2130	Business Statistics I	3
Choose course(s) from the Arts and Humanities Electives list		3
Choose course(s) from the Technical Electives list		2
		18

Program Total: 70

**English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

***Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.*

****Students may substitute either SPCH 1000 or SPCH 1100. One of these 3 credit courses may be required for students transferring to a four-year college.*

Recommended Technical Electives for an Oracle Emphasis:
minimum 2 credits

CPET 1050	Assembling, Upgrading and Repairing Personal Computers	2
ITCS 2820	Java Programming II	3
ITDB 1406	Microsoft SQL Concepts	2
ITDB 1426	Microsoft SQL Server Implementation	2
ITDB 2426	Microsoft SQL Server Maintenance	2
Any Information Technology (ITCS, ITDB, ITIS, ITON) course(s) except ITIS 1000		

Natural Sciences Electives: minimum 3 credits

CHEM 1050	Chemistry in the Everyday World	3
PSCI 1300	Earth Science	3
PSCI 1400	Introduction to Meteorology	3
Any other Natural Sciences laboratory course included in the Transfer Module		

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 1215, 1800, 2200, 2250; PHIL 1500, 2000