

Information Management Systems

Data Management Emphasis

This emphasis prepares individuals to work with business to design, implement, and administer databases. Students will be exposed to a variety of database development, programming, and query techniques.

Associate of Applied Science

Semester I			Semester III		
COSC 1336	Programming Fundamentals I (Fall only)	3	ITSE 2313	Web Authoring	3
ITNW 1454	Implementing and Supporting Servers (Fall only)	4	ITSE 1445	Introduction to Oracle SQL (Fall only)	4
ITSC 1409	Integrated Software Applications I	4	+MATH 1325	Mathematics for Business and Social Sciences II or	3
ITSE 2409	Database Programming (Fall only)	<u>4</u>	MATH 1342	Statistics	
		15	SPCH 1321	Business and Professional Speaking Social / Behavioral Sciences ¹	<u>3</u>
					16
Semester II			Semester IV		
BUSI 1301	Business Principles	3	ACCT 2401	Principles of Accounting I or	
ENGL 1301	Composition and Rhetoric	3	ACNT 1403	Introduction to Accounting I	4
ITSC 1407	UNIX Operating System I	4	BCIS 2390	Systems Analysis and Design	3
+ITSE 2454	Advanced Oracle PL/SQL (Spring only)	4	+ENGL 1302	Composition and Literature	3
MATH 1314	College Algebra or	<u>3</u>	+ITSE 2447	Advanced Database Programming (Spring only)	<u>4</u>
MATH 1324	Mathematics for Business and Social Sciences I				14
		17		TOTAL	62

¹Select from the Social/Behavioral Sciences section of the General Education Course List.

Data Management Certificate

Semester I			Semester II		
BUSI 1301	Business Principles	3	ACCT 2401	Principles of Accounting I or	4
COSC 1336	Programming Fundamentals I (Fall only)	3	ACNT 1403	Introduction to Accounting I	
ITNW 1454	Implementing and Supporting Servers (Fall only)	4	ITSC 1407	UNIX Operating System I	4
ITSC 1409	Integrated Software Applications I	4	ITSE 2313	Web Authoring	3
ITSE 1445	Introduction to Oracle SQL (Fall only) or	<u>4</u>	+ITSE 2447	Advanced Database Programming (Spring only) or	4
ITSE 2409	Database Programming (Fall only)		+ITSE 2454	Advanced Oracle PL/SQL (Spring only)	
		18		Data Management elective	<u>3-4</u>
					18-19
				TOTAL	36-37

**DEGREES &
CERTIFICATES**