

DATABASE MANAGEMENT (A25150) A.A.S. Degree

OFFICIAL CURRICULUM SCHEDULE

Origination Date: April 2006

Date Revised: NA

Replaces curriculum schedule with revision date: NA

Curriculum By Semester					
<u>Course No.</u>		<u>Course Title</u>	<u>Hours Per Week</u>		<u>Credits</u>
			<u>Class</u>	<u>Lab</u>	
FIRST FALL SEMESTER					
CIS	110	Introduction to Computers	2	2	3
DBA	110	Database Concepts	2	3	3
ENG	111	Expository Writing	3	0	3
MAT	145	Analytical Math	3	0	3
MAT	145A	Analytical Math Lab	0	2	1
NET	110	Networking Concepts	2	2	3
FIRST SPRING SEMESTER					
CIS	115	Intro to Progr and Logic	2	3	3
CSC	139	Visual BASIC Prog	2	3	3
DBA	115	Database Applications	2	2	3
DBA	120	Database Programming I	2	2	3
DBA	240	Database Analysis/Design	2	3	3
NOS	110	Operating System Concepts	2	3	3
FIRST SUMMER TERM					
DBA	210	Database Administration	2	3	3
—	—	Major Elective	-	-	3
SECOND FALL SEMESTER					
CSC	239	Adv Visual BASIC Prog	2	3	3
CTS	115	Info Sys Business Concept	3	0	3
DBA	230	Database in Corp Environs	3	0	3
ENG	114	Prof Research and Reporting	3	0	3
SEC	110	Security Concepts	3	0	3
—	—	Major Elective	-	-	3
SECOND SPRING SEMESTER					
CTS	285	Systems Analysis & Design	3	0	3
DBA	289	Database Project	1	4	3
HUM	115	Critical Thinking	3	0	3
PSY	150	General Psychology	3	0	3
—	—	Major Elective	-	-	3
GRADUATION REQUIREMENT			73	Credit Hours	

Revised Date: N/A

Program of Study Approval Date: 2006*03

Prior Revisions: N/A

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Major Electives

MAJOR ELECTIVE 1

(Select 3.0 hours from the following courses)

COE	113	Co-op Work Experience I*	0	30	3
CSC	151	JAVA Programming	2	3	3
CSC	153	C# Programming	2	3	3
DBA	220	Oracle DB Programming II	2	2	3
DBA	221	SQL Server DB Prog II	2	2	3
DBA	222	DB2 DB Programming II	2	2	3
DBA	223	MySQL DB Programming II	2	2	3
DBA	224	SAS DB Programming II	2	2	3
WEB	115	Web Markup and Scripting	2	2	3
WEB	182	PHP Programming	2	2	3
WEB	186	XML Technology	2	2	3

MAJOR ELECTIVE 2

(Select 3.0 hours from the following courses)

		Selected Topics in Database			
DBA	192	Management: Oracle Internet Application	0	4	2
DBA	260	Oracle DBMS Admin	2	2	3
DBA	261	SQL Server DBMS Admin	2	2	3
DBA	262	DB2 DBMS Admin	2	2	3
DBA	263	MySQL DBMS Admin	2	2	3
DBA	264	SAS DBMS Admin	2	2	3
NOS	130	Windows Single User	2	2	3
WEB	140	Web Development Tools	2	2	3
WEB	183	Perl Programming	2	2	3

MAJOR ELECTIVE 3

(Select 3.0 hours from the following courses)

		Selected Topics in Database Management:			
DBA	193	Oracle Optimization	2	2	3
DBA	270	Oracle Performance Tuning	2	2	3
DBA	271	SQL Server Perf Tuning	2	2	3
DBA	272	DB2 Performance Tuning	2	2	3
DBA	273	MySQL Performance Tuning	2	2	3
DBA	274	SAS Performance Tuning	2	2	3
DBA	285	Data Warehousing & Mining	2	3	3
		Selected Topics in Database			
DBA	291	Management: Oracle Project	0	2	1
WEB	180	Active Server Pages	2	2	3
WEB	210	Web Design	2	2	3
WEB	250	Database Driven Websites	2	2	3

**Cooperative education is an elective. Students must have approval from the dean and pre register with the Co-op Office. The co-op work period may be taken over two semester as COE-112 and COE-121 or over three semesters as COE-111, COE-121 and COE-131.*

Department Head, Computer Programming

Dean, Computer Information Systems Division