

**INFORMATION TECHNOLOGY – DATABASE MANAGEMENT OPTION
BACHELOR OF SCIENCE DEGREE
College of Applied Science and Technology**

Program Plan
2003-2004 Catalog

Assessment scores (ACT or COMPASS) are required of all first-time entering students without previous college work. Scores are used to determine skill readiness to be successful in college-level work. College Preparatory courses may not transfer or apply to graduation requirements. All college preparatory work should be completed within the first 30 hours.

READ	0503	0513	ENGL	0153	0163	MATH	0093	0233	1203	or equivalents
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IDS1203 is required for first-time full-time students.

*** check schedule of classes for section for IT majors**

DEGREE REQUIREMENTS

	Grade	Transfer	Courses	Pre or Co Reqs
SEMESTER 1 16 hours			ITC 1111 Introduction to Information Technology	Pre required computer literacy placement score or CISM 1001
			ITA 1051 Computer –Word Processing	Pre required computer literacy placement score or CISM 1001
			ITA 1251 Computer – Spreadsheets	Pre required computer literacy placement score or CISM 1001
			ITA 1201 Computer – Database	Pre required computer literacy placement score or CISM 1001
			ITA 1101 Computer – Presentation Graphics	Pre required computer literacy placement score or CISM 1001
			ITA 1162 Internet Foundations	Pre required computer literacy placement score or CISM 1001
	*		ENGL 1203 Freshman English I IT majors	Pre placement or ENGL 0163
	*		MATH 1403 College Algebra IT majors	Pre placement or MATH 1203
		ITC 1353 Logic & Design for Information Technology	Pre required computer literacy placement score or CISM 1001 Pre or Co MATH 1403	
SEMESTER 2 17 hours	*		ENGL 1213 Freshman English II IT majors	Pre ENGL 1203
			ITC 1443 Computer Architecture & Operation	Pre ITC 1353, MATH 1403 & ENGL 1203
			ITC 1411 Operating Systems Concepts	
			ITC 1421 Unix/Linux Operating Systems	
			ITC 1431 Windows Operating System	
			ITC 1323 Introductory Programming	Pre ITC 1353, MATH 1403 & ENGL 1203
			ITC 1613 Network Fundamentals	Pre ITC 1353, MATH 1403 & ENGL 1203
		ITC 2712 Business Organization & Environment		
SEMESTER 3 16 hours	*		PHSC 1754 Physical Science for Information Technology	Pre MATH 1403 or higher
	*		SOCI 2753 Introduction to Sociology IT majors	

			ITC 2333 Advanced Programming	Pre ITC 1323
			ITC 2512 Data Modeling	Pre ITA 1201 and ITC 1323
			ITC 2624 Network Client Support	Pre ITC 1613
SEMESTER 4			ITC 2732 Principles of Accounting	
18 hours	*		CHEM 1304 Chemical Principles IT majors	Pre or Co MATH 1203 or higher
			ITC 2143 Website Design	Pre ITA 1162
			ITC 2522 Queries	Pre ITC 2512
			ITC 2532 Building a Database	Pre ITC 2522
			ITC 2113 Data Structures	Pre ITC 2333
			ITC 2752 E-Commerce Concepts	Pre ITA 1162

Student will receive an Associate of Applied Science degree upon completion of courses in first 4 semesters.

			Courses	Pre or Co Reqs
SEMESTER 5			ITP 3633 Enterprise Java Programming	Pre ITC 2113
16 hours			ITP 3313 Sys Planning & Analysis	Pre ITC 2512 and ITC 2113
			ITD 3112 Complex Queries	Pre ITC 2532
			ITD 3131 SQL Statement Tuning	Pre ITD 3112
			ITD 3123 Stored Procedures	Pre ITD 3112
			ITD 3213 Database Maintenance	Pre ITC 2532
			ITD 3221 Security Administration	Pre ITD 3213
SEMESTER 6			ITD 3338 Oracle Forms	Pre ITD 3123
15 hours			ITP 3323 Systems Design	Pre ITP 3313
			ITD 4232 Monitoring & Tuning	Pre ITD 3213 and 3131
			ITD 4242 Backup & Recovery	Pre ITD 4232
SEMESTER 7	*		SPCH 1203 Intro to Speech Comm IT majors	
17 hours			ITC 2721 Computer Trends	
			ITC 2741 Customer Relations	
			ITD 3344 Oracle Reports	Pre ITD 3338
			ITP 4338 Systems Implementation, Operation and Support	Pre ITP 3323
SEMESTER 8	*		FORL 1304 Beginning Spanish I IT majors	
17 hours	*		HUMN 2563 Humanities/Arts IT majors	
	*		POLS 2753 Am Natl Government IT majors	
	*		SOCI 2853 Social Problems IT majors	Pre SOCI 2753
			ITF 4114 Capstone	Pre consent of department

TOTAL DEGREE HOURS 132