

Individual Graduation Plan  
**A25590A – Information Technology**  
**(Database Administrator)**  
 Fall 2017

Student Name: \_\_\_\_\_

Student No: \_\_\_\_\_

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum. Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study. Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

### Developmental Requirements

*(Some developmental requisites may be waived based on placement scores, course selection, etc.)*

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites	
			CIS 070	Fundamentals of Computing	1		
			DMA 010	Operations with Integers	1		
			DMA 020	Fractions and Decimals	1*	DMA 010	
			DMA 030	Propor/Ratio/Rate/Percent	1*	DMA 010 and 020	
			DMA 040	Express/Lin Equat/Inequal	1*	DMA 010, 020 and 030	
			DMA 050	Graphs/Equations of Lines	1*	DMA 010, 020, 030 and 040	
			DMA 065	Algebra for Precalculus	2*	DMA 010, 020, 030, 040 and 050	
			DRE 096	Integrated Reading and Writing	3		
			DRE 097	Integrated Reading Writing II	3*	DRE 096	
			DRE 098	Integrated Reading Writing III	3*	DRE 097	

### Curriculum Program Requirements

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites
			<b>1<sup>st</sup> Semester</b>			
			ACA 115	Success & Study Skills	1	
			CTS 115	Info Sys Business Concepts	3	
			CTS 118	IS Professional Comm	2	
			CTS 120	Hardware/Software Support	3	
			DBA 120	Database Programming I	3	
			<b>2<sup>nd</sup> Semester</b>			
			CTI 110	Web, Pgm, & Db Foundation	3	
			CTI 120	Network & Sec Foundation	3	
			CTS 220	Adv Hard/Software Support	3	CTS 120
			NOS 130	Windows Single User	3	
			_____	Other Major Requirement Choice <i>(Choose from CTI 150, NOS 120, or NOS 160)</i>	3	

3 <sup>rd</sup> Semester							
			ENG 111	Writing and Inquiry	3*	DRE 098	CIS 070 or CIS 110
			_____	Humanities/Fine Arts Choice (Choose from ART 111, HUM 115, HUM 230, MUS 110, MUS 112, or PHI 240)	3*	Varies	
			_____	Natural Sciences/Math Choice (Choose from MAT 143, MAT 152 or MAT 171)	3*	Varies	Varies
4 <sup>th</sup> Semester							
			CTS 210	Computer Ethics	3		
			CTS 240	Project Management	3		
			DBA 210	Database Management	3		
			NET 125	Introduction to Networks	3		
			NOS 230	Windows Administration I	3		
5 <sup>th</sup> Semester							
			COM 231	Public Speaking	3*	DRE 096	
			CTS 289	Systems Support Project	3	CTI 110, CTI 120 and CTS 115	
			NET 225	Routing & Switching I	3		
			SEC 180	Info Assurance Principles	3		
			_____	Social/Behavioral/Sciences Choice (Choose from ECO 251, ECO 252, HIS 131, HIS 132, POL 120, PSY 150 or SOC 210)	3*	DRE 096	
<b>TOTAL PROGRAM HOURS REQUIRED =</b>					<b>66</b>		
<b>Total Developmental Hours Required * =</b>							
<b>Total Hours Required =</b>							
* Hours may be required as indicated by placement scores increasing the number of semester hours required for program completion.							
Notes:							
_____					_____		
<i>Student Signature</i>					<i>Date</i>		
_____					_____		
<i>Advisor/Counselor Signature</i>					<i>Date</i>		