



Bachelor of Science in Information Technology Software Development Degree Plan**

<i>Course</i>	<i>Prerequisite</i>	<i>Credits</i>	<i>X</i>
First Semester			
First Term			
ENG130 English Composition and Reading	None	3	
CIS101 IT Fundamentals	None	3	
Second Term			
BIS101 Introduction to Business Information Systems	None	3	
COM104 Speech	None	3	
Second Semester			
Third Term			
CCS101 Programming Fundamentals	None	3	
MAT105 College Algebra	None	3	
Fourth Term			
CIS106 Computer Hardware and Systems Administration I	None	3	
ECN101 Microeconomics	None	3	
Third Semester			
Fifth Term			
CIS110 Fundamentals of Web Systems	None	3	
ENG140 English Composition and Critical Thinking	None	3	
Sixth Term			
CNT100 Fundamentals of Networking	None	3	
ENG205 Information and Media Literacy	None	3	
Fourth Semester			
Seventh Term			
CIS206 Information Assurance and Security	None	3	
COM105 Intercultural Communication	None	3	
Eighth Term			
CIS205 Computer Hardware and Systems Administration II	CIS105	3	
ART137 Art Appreciation	None	3	

*Each semester is composed of two (2) terms of eight (8) weeks each in length.

** This degree plan is based on full-time status as defined by the University.

<i>Course</i>	<i>Prerequisite</i>	<i>Credits</i>	<i>X</i>
Fifth Semester			
Ninth Term			
CIS310 IT Infrastructure	CIS205	3	
PSY101 Introduction to Psychology	None	3	
Tenth Term			
CIS320 Database Systems	None	3	
MAT241 Introduction to Probability and Statistics	MAT105	3	
Sixth Semester			
Eleventh Term			
CIS330 Wireless/Mobile Computing	CNT100	3	
BIO150 General Biology	None	3	
Twelfth Term			
MAT245 Discrete Mathematics	MAT105	3	
Elective 1	MAT105	3	
Seventh Semester			
Thirteenth Term			
CIS340 Human Factors/Collaborative Computing	MAT245	3	
Elective 2	None	3	
Fourteenth Term			
Elective 3 (Required CCS280 Data Structures)	None	3	
Elective 4 (Required – MAT252 Pre-Calculus for Engineers)	MAT105	3	
Eight Semester			
Fifteenth Term			
MAT255 Calculus for Engineers	MAT252	3	
HIS120 United States History I	None	3	
Sixteenth Term			
CCS313 Database, Website, Network Design and Processes	MAT245 and CIS110	3	
Elective 5	None	3	

*Each 16 week semester is composed of two (2) eight (8) week terms.

** This degree plan is based on full-time status as defined by the University.



<i>Course</i>	<i>Prerequisite</i>	<i>Credits</i>	<i>X</i>
Ninth Semester			
Seventeenth Term			
CCS312 Data Structures, Algorithms and Interactive Scripting	MAT255 and CCS280	3	
PHI399 Applied Philosophy and Ethics	None	3	
Eighteenth Term			
CCS400 Advanced Programming Languages	MAT245 and CCS101	3	
POS399 Special Topics in Political Science and International Relations	None	3	
Tenth Semester			
Nineteenth Term			
CCS401 Advanced Programming and Advanced Application Development	CCS101	3	
HUM499 Senior Seminar: Humanities	None	3	
Twentieth Term			
SSC499 Senior Seminar: Social Sciences	None	3	
CIS499 Capstone	None	3	

*Each 16 week semester is composed of two (2) eight (8) week terms.

** This degree plan is based on full-time status as defined by the University.