

# Bachelor in Applied Science in Information Technology

PROFESSIONAL TECHNICAL  
2016-2017 Degree Requirements

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
CS	102	Programming Fundamentals <i>or</i>	5		
CS&	131	Computer Science I C++	5		
CS	106	Database Systems	5		
CS	117	Computer Ethics <i>or</i>	2		
CS	118	Customer Service	3		
CS&	141	Computer Science I Java	5		
CS	150	Computer Security	5		
CS	202	Programming Fundamentals 2 <i>or</i>	5		
CS	162	C++2	5		
CS	206	Database Design	5		
CS	221	SQL Server Administration	5		
CS	225	SQL Server Programming	5		
CS	228	Windows Server	5		
CS	232	Network Security	5		
CS	236	Advanced Object Oriented Programming	5		
CS	250	HTML 5- JavaScript/JQuery	5		
CSIT	301	Information Systems	5		
CSIT	306	Big Data and Analysis	5		
CSIT	311	Python for Data Processing	5		
CSIT	316	Cloud Computing HTML5 and PHP	5		
CSIT	401	Information Systems Analysis and Design	5		
CSIT	411	Agile Methodology & ePortfolio Planning	5		
CSIT	416	Data Visualization	5		
CSIT	421	IT Capstone	5		
CSIA	310	E-Commerce Security	5		
CSIA	410	Cryptology	5		

**Subtotal 112-113**

## Major Support

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
PROJ	100	Introduction to Project Management	5		
AMGT	300	Management & Organization Theory <i>or</i>	5		
AMGT	320	Leadership & Organization Behavior	5		

**Subtotal 10**

## General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
Communication (select 15 credits)					
ENGL&	101	English Composition I	5		
ENGL&	235	Technical Writing or	5		
		Choose any 5 credit course from the Communication Distribution List	5		
ENGL	410	Professional and Organizational Communication or	5		
		any other upper-level English or Communication course	5		
Quantitative Symbolic Reasoning (select 5 credits)					
MATH&	141, 142, 144, 146, 148, 151, 152, or 153		5		
Social & Behavioral Sciences (select 10 credits)					
PSYC&	100+	General Psychology or above <b>or</b>	5		
SOC&	101	Intro to Sociology <b>or</b>	5		
SOC&	201	Social Problems	5		
ECON	305	Managerial Economics <b>or</b>	5		
SOC	305	Cybercrime: A Sociological Perspective	5		
Humanities (10 credits)					
ICS	310	American Diversity	5		
PHIL	305	Professional Ethics	5		
Mathematical & Natural Science (select 10 credits) (see program advisor for best selection)					
ENVS	310	Environmental Science or any course from the Distribution List	5		
		Lab Science course from the Distribution List	5		
Additional Electives from the following distribution lists (select 10 credits) (see program advisor for best selection) Communication, Social & Behavioral Sciences, Humanities, or Mathematical & Natural Sciences					
			5		
			5		

**Subtotal 60**

**Total Credits Required 182-183**