

# Bachelor of Applied Science (BAS) in Cyber Security

2014-2015 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 1 C++ <i>or</i>	5		
CS&	141	Computer Science 1 Java w/ Android Devices	5		
CS	106	Database Systems	5		
CS	117	Computer Ethics	2		
CS	140	SharePoint	5		
CS	150	Computer Security	5		
CS	162	C++2 <i>or</i>	5		
CS	202	Programming Fundamentals 2 <i>or</i>	5		
CS	236	Java I/O w/ Android Devices & Integration	5		
CS	206	Database Design	5		
CS	221	SQL Server Administration	5		
CS	223	Unix/Linux	5		
CS	228	Windows Server	5		
CS	229	Webmaster	5		
CS	231	Network Infrastructure	5		
CS	232	Network Security	5		
CSIA	200	Computer Forensics Fundamentals	5		
CSIA	250	Networking Fundamentals	5		
CSIA	300	Cyber Security and Information Assurance	5		
CSIA	310	E-Commerce Security	5		
CSIA	320	Ethical Hacking	5		
CSIA	330	Wireless Security	5		
CSIA	410	Cryptology	5		
CSIA	420	Cyber Crime and Terrorism	5		
CSIA	430	UNIX Administration and Security	5		
CSIA	440	Cyber Testing and Penetration	5		
CSIA	450	Cyber Security Capstone	5		

**Subtotal 117**

## Major Support

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
PROJ	100	Introduction to Project Management	5		

**Subtotal 5**

## General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
<b>Communication (select 10 credits)</b>					
ENGL&	101	English Composition	5		
ENGL&	102	Composition II <b>or</b>	5		
ENGL	410	Professional & Organizational Communication	5		
<b>Quantitative Symbolic Reasoning (select 5 credits)</b>					
MATH&	141+	Precalculus I <b>or</b> higher (except MATH& 171) (see program advisor for best selection)	5		
<b>Social Science (select 10 credits)</b>					
PSYC&	100	General Psychology <b>or</b>	5		
Social Science from distribution list (see program advisor for best selection) <b>or</b>			5		
SOC	305	Cybercrime: A Sociological Perspective <b>or</b>	5		
POLS	305	Future of Warfare	5		
<b>Humanities (select 10 credits)</b>					
PHIL	305	Professional Ethics	5		
Humanities from distribution list (see program advisor for best selection)			5		
<b>Math/Science (select 10 credits)</b>					
Lab science from distribution list (see program advisor for best selection)			5		
Math from distribution list (see program advisor for best selection)			5		
<b>Additional Electives (select 15 credits)</b>					
Communication, Social Science, Humanities, or Math/Science from distribution list (see program advisor for best selection)					
			5		
			5		
			5		

**Subtotal**      **60**

**Total Credits Required**      **182**