

# Bachelor of Applied Science (BAS) in Cyber Security

2018-2019 Degree Requirements

BAS degrees require a minimum of 60 credits of 300 and 400 level courses

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
CS	101	Intro to Computers & Information Technology	5		
CS	102	Programming Fundamentals <b>or</b>	5		
CS&	131	Computer Science 1 C++	5		
CS	106	Database Systems	5		
CS	117	Computer Ethics	2		
CS	118	Customer Service	3		
CS	150	Computer Security	5		
CS	162	C++2 <b>or</b>	5		
CS	202	Programming Fundamentals 2	5		
CS	206	Database Design	5		
CS	221	SQL Server Administration	5		
CS	223	UNIX/Linux	5		
CS	228	Windows Server	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		
CSIT	300+	Select any CSIT course 300-level <b>or</b> above	5		

**Subtotal 120**

## 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&	235	Technical Writing <b>or</b>	5		
ENGL	410	Professional & Organizational Communication	5		
<b>Quantitative/Symbolic Reasoning (select 5 credits from the list below)</b>					
MATH&	141, 142, 144, 146, 148, 151, 152, 153		5		
<b>Social &amp; Behavioral Sciences (select 10 credits)</b>					
PSYC&	100	General Psychology <b>or</b>	5		
		Choose any course from this distribution list	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		
		Choose any course from this distribution list	5		
<b>Mathematical &amp; Natural Science (select 10 credits)</b>					
		Choose a lab science from this distribution list	5		
		Choose any course from this distribution list	5		
<b>Additional Electives from the above distribution lists (select 15 credits)</b>					
Program advisor approved Communication, Quantitative/Symbolic Reasoning, Social & Behavioral Sciences, Humanities, <b>or</b> Mathematical & Natural Sciences					
			5		
			5		
			5		

**Subtotal 60**

**Total Credits Required 185**

\*Course selections must meet the distribution requirements for the AA or BAS degree.

**DEGREE NOTES:**

- Students must earn a minimum 2.0 grade in all CSIA and CSIT courses.
- Students must earn a minimum 2.5 grade in all CS courses.
- Required minimum cumulative GPA 2.0.
- MATH 094 or MATH 095 or Math 096 or MATH 098 with minimum grade 2.0 is prerequisite for all programming classes.
- At least one-third of the college-level, degree applicable credits must be taken at CBC.