Columbia Basin College

Bachelor of Applied Science (BAS) in Cyber Security
2019-2020 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 *or*	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 *or*	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		
		Subtotal	**115**		

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
Communication (select 10 credits)					
ENGL&	101	English Composition	5		
ENGL&	102	Composition II *or*	5		
ENGL&	235	Technical Writing *or*	5		
ENGL	410	Professional & Organizational Communication	5		
Quantitative/Symbolic Reasoning (select 5 credits from the list below)					
MATH&	141, 142, 144, 146, 148, 151, 152, 153		5		
Social & Behavioral Sciences (select 10 credits)					
PSYC&	100	General Psychology	5		
		Choose any course from this distribution list	5		
SOC	305	Cybercrime: A Sociological Perspective	5		
Humanities (select 10 credits)					
PHIL	305	Professional Ethics	5		
ICS	310	American Diversity	5		
Mathematical & Natural Science (select 10 credits)					
		Choose a lab science from this distribution list	5		
		Choose any course from this distribution list	5		
Additional Electives from the above distribution lists (select 15 credits) Program advisor approved Communication, Quantitative/Symbolic Reasoning, Social & Behavioral Sciences, Humanities, *or* Mathematical & Natural Sciences					
			5		
			5		
			5		

Subtotal   **60**

Total Credits Required   **180**

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 050, 070, 072, 094, 095, or 098 with minimum grade 2.0 is prerequisite for all programming classes.