2023-24 BAS Cyber Security with AA Transfer Map

Course Sequencing		
Year	**Quarter**	**Subject**
First Year	Fall	CS 101 (Intro to Computers & Info Tech) CS 106 (Database Systems), CS 102 (Programming Fundamentals) OR CS 131 (Computer Science I C++),
	Winter	CS 202 (Programming Fundamentals 2) OR 162 (C++2) CS 206 (Database Design) CS 228 (Windows Server)
	Spring	CS 231 (Network Infrastructure) CS 135 (Cloud Fundamentals) CS 221 (SQL Server Administration)
	Summer	CSIA 200 (Computer Forensics Fundamentals) CS 232 (Network Security) CS 150 (Computer Security)
Second Year	Fall	CS 223 (UNIX/Linus) CSIA 300 (Cyber Security & Information Assurance) CSIA 320 (Ethical Hacking)
	Winter	CSIA 410 (Cryptology) CSIA 420 (Cyber Crime and Terrorism) CSIA 430 (UNIX Administration & Security)
	Spring	CSIA 330 (Wireless Security) CSIA 440 (Cyber Testing & Penetration) CSIA 450 (Cyber Security Capstone)
	Summer	CS 117 (Computer Ethics) CS 118 (Customer Service) OR 217 (Internship) PROJ 100 (Intro to Project Management) ICS 310 (American Diversity)
Third Year	Fall	CSIA 310 (E-Commerce Security) SOC 305 (Cybercrime: A Sociological Perspective) ECON 305 (Managerial Economics)
	Winter	ENGL 410 (Professional & Organizational Communication) CMST 415 (Applied Professional Communication) PHIL 305 (Professional Ethics)

The plan above is only a sample. If you want to see all of the courses we offer, please visit our online catalog here!

BEFORE YOU START

This map is for students who have completed an AA transfer degree. If you completed an AAS Cyber Security degree, please see the corresponding map. In addition to earning your associate degree or 90 college-level credits from an academic transfer institution, you must also have completed the following prerequisites:

- At least one 100+ level math course with a minimum grade of 2.0
- ENGL& 101 or the equivalent course with a minimum grade of 2.0

Requirements Checklist:

- Completed online CBC Application for Admission (for new CBC students only)
- Completed CBC BAS application
- Official transcript(s)*, sealed, verifying;
  - Your completion of two-year degree and/or all other college credits earned
  - Your completion of the program prerequisites, if applicable
- Resume (maximum three pages)

**For applicants who are current/past CBC students or CBC graduates: If you already have your academic records at CBC (e.g., CBC courses, courses from other institutions), you are NOT required to submit official transcript(s) with your application.*

**You may submit your application while waiting for your official transcript(s) to arrive. The application will not be processed until the transcript(s) are received. Official transcripts must be received in a sealed envelope or sent electronically through our Washington State Student Management System (SMS), or authorized online service provider.*

ABOUT THE PROGRAM

The study of Cyber Security provides students with limitless opportunities in the Information Security workforce. With current technologies integrated into the Cyber Security curriculum, connections with area employers, and skills gained from cyber competitions, the Cyber Security program at Columbia Basin College (CBC) prepares students like you for success!

You may be interested in a career in Cyber Security if you:

- Enjoy solving complex problems and designing solutions
- Express creativity through the use of an ever-expanding set of tools
- Enjoy competing against fellow students in real-world scenarios
- Are fascinated in finding solutions against hackers and to mitigate everyday cyber vulnerabilities

FAQs

Class Times/Delivery Format
Classes are offered in a variety of formats, including in-person, online and hybrid.

Length of Program
After completing an AA degree, full-time students typically complete the BAS program in an additional 10 quarters.

Which Quarter Can I Begin?
You can begin any quarter!

Program learning outcomes are the knowledge, skills and abilities that students will achieve before they graduate. The outcomes below were developed by the faculty in the Computer Science program at CBC with input from accrediting bodies, advisory committees, employers, etc. This collaboration ensures that the outcomes are relevant for careers that this degree leads to.

Throughout the Computer Science program, students will accomplish the following Program Level Outcomes (PLOs):

1. Solve a problem using appropriate computing algorithms and techniques.
2. Analyze impact of computer systems on organizations, society and the individual.
3. Apply concepts relating to computer systems (database systems, security, hardware, software, programming languages and networks).
4. Perform the basics of computer and network security.
5. Discuss the professional, ethical and societal issues and responsibility.
6. Communicate with customers, supervisors and co-workers.
7. Identify risks, assess threats and develop solutions to protect computer assets and data.

OUT OF CLASS TO DO'S

- Contact your instructors and/or the CBC Career Services Center to find an internship, observation/shadowing experience, or a job in the cyber security field.
- Visit the Academic Success Center for quiet study space, small group study, supplemental instruction and tutoring assistance.

CAREER OPPORTUNITIES

There are many opportunities for students to start and advance their careers within cyber security including:

- Cyber Security Specialist/Technician
- Cyber Crime Analyst/Investigator
- Incident Analyst/Responder
- And more!

APPLY FOR FINANCIAL AID OR OTHER FUNDING

Please complete:

The FAFSA application: The Free Application for Federal Student Aid (FAFSA) provides financial aid for U.S. citizens and eligible non-citizens, such as permanent residents. Visit the FAFSA website to create your FSA ID and to complete your application.
OR
The WASFA application: The Washington Application for State Financial Aid (WASFA) is for DACA or HB 1079 undocumented students. Visit the Washington Student Achievement Council website to complete your WASFA application.

Did you know??? You can apply for CBC scholarships two times every year! Click here for more information!

***PLEASE NOTE:** This document represents a sample plan for degree completion with this program of study. Actual course selection and sequence may vary and should be discussed individually with your Completion Coach. Completion Coaches can also help you plan other experiences to enrich your education such as internships, research, learning communities, and campus involvement and community-based learning.*