

**Jumpstart 2.0 Associate of Applied Science: Cyber Security**  
*Postsecondary Partner: Bossier Parish Community College*

**Overview**

The Associate of Applied Science in Cyber Security provides students with the skills needed to manage an organization's network security needs. The program prepares individuals to function as entry level network security specialist and includes instruction on technologies to keep network assets secure, conducting forensic analyses, encryption techniques, and organizational security management.

100% Online Degree Program or traditional F2F program

**Capstone Credentials**

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-CompTIA IT Fundamentals+	-CompTIA A+ -CompTIA Network+ -CompTIA Security+	-Associate of Applied Science: Cyber Security

\*Core Academic Course  
 \*\*Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Physical 150802 or Environmental Science 150310	**Quest for Success 080411 or other career readiness elective
*Civics 22051/220504	*½ Health 190500 & ½ PE II 190106

Grade 10	
Semester 1	Semester 2
*Technical Writing 120350	**Intro to Bus Comp Apps 040401 or other JS elective
*Biology 150301	**Cyber Society 040216 or other JS elective
*Algebra II 160322	*PE I 190105
*U.S. History: 220403	**Entrepreneurship 041038 or other JS Elective

*Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.*

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*ENGL 101: Composition and Rhetoric	*English IV: DE - CENL 1013 English Composition I 120606	**CTEC 112: IT Hardware Support Cert: CompTIA A+ (Core 1)	**TBD
*MATH 102: College Algebra or Math 101: Applied Algebra for College Students	*Algebra III: DE - CMAT 1213 College Algebra 160500	**CTEC 114: IT Software Support Cert: CompTIA A+ (Core 2)	**TBD
**CTEC 101: Information Technology Principles Cert: CompTIA ITF+	**TBD	**CTEC 172: Linux Server	**TBD
**CTEC 102: Problem Solving and Programming Techniques	**TBD	**CTEC 104: Introduction to Scripting	**TBD
**CTEC 107 Skills for Information Technology Success	**TBD	*Natural Science Elective BLGY 105 Elements of Biology I	*Biology II: DE - C BIO 1013 General Biology I 150323

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**CTEC 155: Network Essentials Cert: CompTIA Network+	**TBD	**CTEC 287: Network Security Design Cert: CompTIA Security+	**TBD
**CTEC 255: CCNA or CTEC 210: Advanced Network Topics	**TBD	**CTEC 280: Computer Forensics	**TBD
*Humanities Elective: HIST 101: Western Civilization I OR HIST 102 Western Civilization II	*World History: DE-CHIS 1113 World Civilization I 220450 OR World History: DE - CHIS 1123 World Civilization II 220451	**CTEC 299: CTEC Internship	**TBD
**CTEC 170: Microsoft Windows Servers	**TBD	**CTEC 279: Information Assurance	**TBD
**Approved CTEC Elective	**TBD by course selected	*Behavioral/Social Science Elective BADM 201: Principles of Macroeconomics	*Economics: DE-CECN 2213 Macroeconomics 220608

### Approved Electives

Postsecondary Course	LDOE Course/Code
**CTEC 263: Cloud+ Cert: CompTIA Cloud+	**TBD
**CTEC 165: Introduction to Virtualization	**TBD
**CTEC 200: Network Defense Cert: CompTIA PenTest+	**TBD
**CTEC 220: Information System Security I Cert: CompTIA CASP+	**TBD
**CTEC 272: Advanced Topics in Linux	**TBD
**CTEC 275: Big Data	**TBD
**CTEC 282: Information Technology Project Management Cert: CompTIA Project+	**TBD
**CTEC 285: Health Informatics for IT Professionals Cert: Certified Associate in Health Information & Management Services (CAHIMS)	**TBD

*This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.*