

TOPS University 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.

Face to Face or 100% online

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	*Fine Arts
*Algebra I 160321	*Geometry 160323
*Environmental Science 150310	*World Geography 220300
*Civics 220501/220504	*½ Health 190500 & ½ PE II 190106

Grade 10	
Semester 1	Semester 2
*English II 120332	*Chemistry 150401
*Biology 150301	*U.S. History 220403
*Algebra II 160322	*PE I 190105
*Foreign Language I	*English III 120333

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 107: Skills for Information Technology (IT) Success	**TBD	**CTEC 104: Introduction to Scripting	**TBD
**CTEC 102: Problem Solving and Programming Techniques	**TBD	*Natural Science Elective BLGY 105 Elements of Biology I	*Biology II: DE - CBIO 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 SPAN 101: Elementary Spanish I	*Spanish II: DE - CSPN 1013/1014 Elementary Spanish I 122511	**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 282: Information Technology Project Management Cert: CompTIA Project+	**TBD
**CTEC 275: Big Data	**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.