

TOPS University Associate of Applied Science: Systems Administration DevOps
Postsecondary Partner: Bossier Parish Community College

Overview

The Associate of Applied Science in Systems Administration with a concentration in DevOps program provides students with a broad, overarching knowledge of a variety of IT subject areas that brings together development, operations, and testing. DevOps is an interdisciplinary program that requires communication, collaboration, and a broad knowledge so that students understand the full-scope of software delivery.

Face to Face and 100% Online

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-CompTIA ITF+ -Oracle Certified Professional (OCP) Java Programmer I	-CompTIA Network+ -CompTIA Security+	-Associate of Applied Science: Systems Administration DevOps

*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 155: Network Essentials Cert: CompTIA Network+	**TBD
*MATH 102: College Algebra or Math 101 Applied Algebra for College Students	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Humanities Elective SPAN 101: Elementary Spanish I	*Spanish II: DE - CSPN 1013/1014 Elementary Spanish I 122511
**CTEC 101: Information Technology Principals Cert: CompTIA ITF+	**TBD	**CTEC 130 HTML/CSS3	**TBD
**CTEC 102: Problem Solving and Programming Techniques	**TBD	**CTEC 170: Microsoft Windows Servers	**TBD
**CTEC 104 Introduction to Scripting	**TBD	*Behavioral/Social Science Elective BADM 201: Principles of Macroeconomics	*Economics: DE/CECN 2213 Macroeconomics 220608

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**CTEC 150: Introduction to Programming with JAVA	**TBD	**CTEC 270: Relational Database Coding	**TBD
**CTEC 151: Advanced JAVA Programming	**TBD	**CTEC 272: Advanced Topics in Linux	**TBD
**CTEC 172: Linux Server	**TBD	**CTEC 299: CTEC Internship	**TBD
**CTEC 287: Network Security Design Cert: CompTIA Security+	**TBD	**CTEC Elective	**TBD by course selected
*Natural Science Elective BLGY 105 Elements of Biology I	*Biology II: DE - CBIO 1013 General Biology I 150323	**CTEC Elective	**TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**CTEC 107 Skills for Information Technology Success	**TBD
**CTEC 259: Server-Side Web Development	**TBD
**CTEC 275: Big Data	**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.