

Jump Start 2.0 Associate of Applied Science: System Administration Concentration Cloud Computing
Postsecondary Partner: River Parishes Community College

Overview

The System Administration degree program, with a concentration in Cloud Computing, is a 60-credit hour program that provides students with the skills needed to manage an organization’s computer systems. The program provides students with the fundamental knowledge and skills required for learning industry-specific methodologies and recognized standards associated with computer system administration and to develop strong critical thinking skills. Emphasis is placed on Cloud Computing to analyzing system logs, applying system updates, updating user accounts, troubleshooting problems, and ensuring uptime.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Microsoft Office Specialist: Work, PowerPoint AND Excel	-CompTIA IT Fundamentals	-CompTIA A+ -CompTIA Network+ - CompTIA Security+	-Associate of Applied Science: System Administration with a Concentration in Cloud Computing

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

Grade 9	
Semester 1	Semester 2
*Business English 120336	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Civics 220501/220504	*Environmental Science 150310 or Physical Science 150802
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	Semester 2
*English II 120332	*Technical Writing 120350
*Transition to College Mathematics 165040 OR Algebra II 160322	*Financial Literacy 160345
*Biology I 150301	*U.S. History 220403
**Intro to Business Computer Apps 040401	**Quest for Success 080411

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
**Problem Solving & Programming Techniques CSCI 1100	**DE Structured Programming 890343	**Network Essentials CSCI 1400	**DE Introduction to Client/Server Network 890332
**IT Hardware Support CSCI 1210	**DE CompTIA A+ Fundamentals of Computer Installation & Configuration 061130	**Introduction to Scripting CSCI 1510	**TBD
**IT Software Support CSCI 1300	**DE CompTIA A+ Programming with PL/SQL 061127	**Introduction to Virtualization CSCI 1600	**DE Virtual Computer Systems 890314
*College Algebra MATH 1100	*Algebra III: DE-CMAT 1213 College Algebra 160500	**Microsoft Window Servers CSCI 1700	**DE Window Server I 890308
*English Composition ENGL 1010	*English IV: DE-CENL 1013 English Composition I 120606	Social or Behavioral Science Elective: PSYC, SOCL, ECON, ANTH, GEOG, CRJU, POLI	TBD by course selected

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Relational Database Coding CSCI 2100	**DE SQL Database 890339	**CSCI Internship or Capstone CSCI 2999 or 2998	**DE Internship Fast Forward 890050
**Introduction to Cloud Computing CSCI 2200	**DE Cloud Computing 890301	**Advanced Topics in Linux CSCI 2600	**DE Linux/Unix 890305
**Linux Server CSCI 2300	**DE Linux System Fundamentals 890312	**Any 2000 Level CSCI Course	**TBD by course selected
**Network Security Design CSCI 2400	**DE Managing Network Security 890335	Humanities Elective: ENGL, HIST, SPAN, PHIL, RELS, WGNS, SPCH	TBD by course selected
Natural Science Elective: BIOL, CHEM, PHSCI, or PHYS	TBD by course selected	Techniques of Speech SPCH 1200	DE Speech I 051101

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.