

TOPS University Associate of Applied Science: Computing and Information Systems Concentration Cloud Computing

Postsecondary Partners: [Baton Rouge Community College](#)

Overview

The goals of this pathway are to prepare students for entry-level positions in cloud computing and to provide the appropriate foundation for further studies in cloud computing. The pathway provides students with instruction on the overall computer information technology environment, local and virtual computer networks, networked data security, management of IT projects and IT support for cloud systems.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Microsoft Certified Professional Installing and Configuring Windows Server	- CompTIA IT Fundamentals -Certificate of Technical Studies: Cloud Computing and Cybersecurity	Technical Diploma: Cloud Computing - CompTIA A+ - CompTIA Network+ - CompTIA Security+ - CompTIA Linux+	Associate of Applied Science: Computing and Information Systems

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	**Ethics in Computer Science CSCI 1923/1953/DE Introduction to Programming 080500
*Biology 150301	*Algebra I 160321
*Civics 220501/220504	*Foreign Language I
*Physical Education I 190105	*Core Academic Art

Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Chemistry 150401
*U.S. History 220403	*Foreign Language II
**Software and Design and Programming I CSCI 1933/DE Software Design and Programming I 080503	*Algebra II 160322

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
**Intro. to Databases CSCI 1823	**DE Intro. to Databases 890304	*English Composition II ENGL 1023	*English IV: DE - CENL 1023 English Composition II 120607
*English Composition I ENGL 1013	*English III: DE - CENL 1013 English Composition I 120601	**Install & Troubleshooting I INTE 1103	**DE Install & Troubleshooting I 890302
**Intro. to Networking CNET 2103	**DE Networking Basics 310850	**Advanced Database Storage CSCI 1993	**DE Advanced Database Storage 890300
*College Algebra MATH 1113 or 1213	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Physical Science I PHSC 1023	*Physical Science: DE - CPHY 1023 Physical Science I 150915
**Cloud Computing CSCI	**DE Cloud Computing	*World Geography GEOG	*World Geography: DE



2113	890301	2113	CGRG 2113 World Regional Geography 220312
*General Biology I BIOL 1013	*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
**Software & Design Programming II CSCI 1943	**DE Software Design and Programming II 080504	**PC/Network Security CNET 2503	**DE Computer Systems /Networking I 061112
**Linux/Unix CSCI 2153	**DE Linux/Unix 890305	**System Analysis CSCI 2783	**DE System Analysis 890306
*World Civilization I HIST 1113	*World History: DE - CHIS 1113 World Civilization I 220450	**Virtual Infrastructure CSCI 2653	**DE Virtual Infrastructure 890307
**Install & Troubleshooting II INTE 1113	**DE Install & Troubleshooting II 890303	**Window Server I INTE 2013	**DE Window Server I 890308
Psychology PHSC 1023	Psychology: DE CPSY 2013 - Introduction to Psychology 225011		

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.