Jumpstart 2.0 Associate of Applied Science: Software Development
Postsecondary Partner: Bossier Parish Community College

Overview

The Associate of Applied Science in Software Development focuses on programming techniques for software applications. The program prepares individuals to function as entry level programmers and work in a team environment and includes instruction in a variety of programming languages on programming logic, writing and executing code to create and troubleshoot software applications, data structures and computer architecture.

Face to Face and 100% Online

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-CompTIA IT Fundamentals -Oracle Certified Professional (OCP) Java Programmer I -Certificate of Technical Studies: Programming for Digital Gaming		-Associate of Applied Science: Software Development

*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
*Biology 150301	**Cyber Society 04021
*Algebra II 160322	*PE I 190105
*U.S. History 220403	**Entrepreneurship 041038

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

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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 130: HTML5/CSS3	**TBD
*MATH 102: College Algebra or Math 101 Applied Algebra for College Students	*Algebra III: DE - CMAT 1213 College Algebra 160500	**CTEC 150: Introduction to Programming with JAVA	**TBD
**CTEC 102 Problem Solving and Programming Techniques	**TBD	**CTEC 151: Advanced JAVA Programming Cert: Oracle Certified Professional (OCP) Java Programmer I	**TBD
**CTEC 101: Information Technology Principles Cert: CompTIA ITF+	**TBD	**CTEC Elective	**TBD by course selected
**CTEC 107: Skills for Information Technology Success	**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 235: Mobile App Development	**TBD	**CTEC 259: Server-Side Web Development	**TBD
**CTEC 243: Data Structures	**TBD	**CTEC 260: Interactive Program Design	**TBD
**CTEC 250: Programming with C#	**TBD	**CTEC 270: Relational Database Coding	**TBD
**CTEC 149 Web Scripting	**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
*Natural Science Elective BLGY 105 Elements of Biology I	*Biology II: DE - CBIO 1013 General Biology I 150323	**CTEC 295: The Software Development Process	**TBD

Approved Electives

Postsecondary Course	LDOE Course/Code
**CTEC 263: Cloud+ Cert: CompTIA Cloud+	**TBD
**CTEC 104: Introduction to Scripting	**TBD
**CTEC 165: Introduction to Virtualization	**TBD
**CTEC 279: Information Assurance	**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.