



## Computer & Information Technology Associate in Applied Science Degree Business Software and Support Track

FIRST YEAR COURSE SCHEDULE			
	Fall Semester	Credits	Spring Semester
	ENG 101-Writing I	3	CIT 111-Computer Hardware and Software
	CIT 105*-Intro to Computers	3	CIT 120-Computational Thinking
	MAT 126**-Technical Algebra & Trigonometry (or higher)	3	Natural Sciences Course
	Heritage/Humanities Course	3	CIT 130-Productivity Software
	Social/Behavioral Sciences Course	3	
	<b>Total Credit Hours</b>	<b>15</b>	<b>Total Credit Hours</b>
			<b>16</b>

\*Digital/computer literacy may also be earned by successfully completing the IC3 Global with database component.

\*\*If you plan to transfer to a four-year college/university, it is recommended that you take MAT150 – College Algebra.

SECOND YEAR COURSE SCHEDULE			
	Fall Semester	Credits	Spring Semester
	Approved Level I Networking Course	4	CIT 180-Security Fundamentals
	CIT 170-Database Design Fundamentals	3	CIT 293-CIT Employability Studies
	Approved Level 1 Programming Elective	3	Approved Business or Management Course – see advisor or catalog
	CIT 234-Advanced Productivity Software	3	Specialization Course (see list below)
	Specialization Course (see list below)	3	Specialization Course (see list below)
	<b>Total Credit Hours</b>	<b>16</b>	<b>Total Credit Hours</b>
			<b>13</b>

	Business Software Specialist	Credits	Web Administration Specialization	Credits
	Approved CIT Technical Elective	3	CIT 232-Help Desk Operations	3
	CIT 171-SQL I	3	Approved Level 1 Programming Elective*	3
	Approved Business or Management Course	3	Approved Level 1 Programming Elective*	3
	<b>Total Credit Hours</b>	<b>9</b>	<b>Total Credit Hours</b>	<b>9</b>

	Software Support Specialist	Credits
	CIT 150-Internet Technologies <b>OR</b> CIT 155-Web Page Development <b>OR</b> CIT 157-Web Site Design and Production	3
	CIT 253-Data-Driven Web Pages: Topic	3
	ENG 102-Writing II <b>OR</b> Oral Communications	3
	<b>Total Credit Hours</b>	<b>9</b>

Programming Electives	
CIT 140-JavaScript I	University Level I programming languages as approved by the CIT Program Coordinator
CIT 141-PHP I	
CIT 142-C++ I	<b>Approved Level I Networking Courses</b>
CIT 145-Perl I	CIT 160-Intro to Networking Concepts (MS) <b>OR</b>
CIT 147-Programming Language	CIT 161-Introduction to Networks (Cisco)
CIT 148-Visual basic I	
CIT 149-Java I	
CIT 171-SQL I	
Technical Electives	
Please see latest KCTC Catalog or speak with your CIT Advisor to get the complete list of CIT Technical Electives!	NOTE: In many cases there are several options, but it is wise to check first to make sure it counts toward your degree or track.

Curriculum within KCTCS is reviewed and updated to ensure quality and relevance. This curriculum plan should be used only as a guide for meeting the course requirements for each credential. See the KCTCS catalog for specifics and consult your advisor.

**CIT Students please note!**

- Students must maintain a "C" or better in all CIT courses for the course to count toward the degree.
- Students graduating with a degree or certificate in Computer & Information Technologies may only use a course with a grade of "C" or higher (or a "Pass" for Pass/Fail courses) to fulfill a core or track graduation requirement.
- Students may not use one course to fulfill multiple requirements.
- All CIT graduates must take exit exam(s) as required by Ashland Community and Technical College/KCTCS.
- Have a question? Contact [Randolph.Cullum@kctcs.edu](mailto:Randolph.Cullum@kctcs.edu)

**Application Track Overview**

The Business Software and Support track emphasizes several aspects of application software. It includes such productivity applications as: word processing, spreadsheets, database management, presentation, geographic information systems, website development/maintenance, and help desk tracking systems. Completion of this track will prepare students to work with computer-based systems in business and industry.

**Business Software Specialist**

Designed to train students to operate a wide variety of software packages and to assist businesses in developing and maintain databases, producing financial statements, and developing applications using various software packages

**Computer Support**

Provides an in-depth knowledge of application software, computer system configurations, Help Desk Tools/Software, end-user documentation, user training, and other user support skills.

**Software Support**

Provides an in-depth knowledge of application software, computer system configurations, and data driven websites.