



**Computer & Information Technologies**  
 Associate in Applied Science  
**Programming Track – Software Development Sequence**

FIRST YEAR COURSE SCHEDULE							
Name			ID#			Semester	
✓	<b>Fall Semester</b>		Credits	✓	<b>Spring Semester</b>		Credits
	ENG 101 - Writing I		3		Level I Programming Course (see catalog)		3
	CIT 105 - Intro to Computers		3		Level I Networking (CIT 160/CIT 161)		4
	MAT126 - Technical Algebra & Trigonometry (or higher*)		3		CIT 111 - Computer Hardware and Software		4
	CIT 120 – Computational Thinking		3		Heritage/Humanities Elective		3
	Social/Behavioral Sciences Elective		3		Natural Sciences Elective		3
<b>Total Credit Hours</b>			<b>15</b>	<b>Total Credit Hours</b>			<b>17</b>

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

SECOND YEAR COURSE SCHEDULE							
✓	<b>Fall Semester</b>		Credits	✓	<b>Spring Semester</b>		Credits
	Level II Programming Course (see catalog)		3		CIT 180 - Security Fundamentals		3
	CIT 170 - Database Design Fund.		3		CIT 291 - CIT Capstone		3
	CIT Technical Elective		3		Information Systems Sequence Course		3
	Information Systems Sequence Course		3		Information Systems Sequence Course		3
	Information Systems Sequence Course		3		Level I, II, or III Programming Course		3
<b>Total Credit Hours</b>			<b>15</b>	<b>Total Credit Hours</b>			<b>15</b>
						<b>Program Credit Hours</b>	<b>62</b>

Programming Software Development Sequence Courses		
✓	<b>Course</b>	Credits
	Level I Programming Language	3
	Level II Programming Language	3
	CIT 253 – Data Driven Web Pages: Topic	3
	CIT 150 – Internet Technologies <b>OR</b>	3
	CIT 155 – Web Page Development <b>OR</b>	
	CIT 157 – Web Site Design and Production	

- Students must earn a “C” or better in each CIT course to count towards a prerequisite or toward a degree or certificate.
- See the ACTC Catalog for approved programming courses
- Your advisor will help you select appropriate programming courses.
- 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