



## Computer & Information Technology

### Associate in Applied Science Degree

### Internet Technologies Track

FIRST YEAR COURSE SCHEDULE					
Fall Semester		Credits	Spring Semester		Credits
ENG 101-Writing I		3	CIT 111 Computer Hardware and Software		4
CIT 105-Intro to Computers		3	CIT 150 Intro to Internet Technologies		3
MAT 126*-Technical Algebra & Trigonometry (or higher)		3	CIT 120 Computational Thinking		3
Heritage/Humanities Course		3	Natural Sciences Course		3
Social/Behavioral Sciences Course		3	CIT 170 database Design Fundamentals		3
<b>Total Credit Hours</b>		<b>15</b>	<b>Total Credit Hours</b>		<b>16</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					
Fall Semester		Credits	Spring Semester		Credits
Approved Level I Networking Course		4	CIT 180-Security Fundamentals		3
Approved Level I Programming Elective		3	CIT 293-CIT Employability Studies		1
CIT 155-Web Page Development <b>OR</b> CIT 157-Web Site Design and Production		3	CIT 257-Applied Internet Technologies <b>OR</b> CIT 258-Internet Technologies Seminar		3
Specialization Course (see list below)		3	Specialization Course (see list below)		3
Specialization Course (see list below)		3	Specialization Course (see list below)		3
<b>Total Credit Hours</b>		<b>16</b>	<b>Total Credit Hours</b>		<b>13</b>

Web Programming Specialization		Credits	Web Administration Specialization		Credits
Approved Level 1 Programming Elective*		3	CIT 219-Internet Protocols		3
CIT 171-SQL I		3	CIT 255-Web Server Administration		3
Level II Web Programming Language*		3	<b>Note choices carefully below:</b>		
CIT 253-Data-Driven Web Pages: Topic		3	CIT 214-Microsoft Server Configuration <b>AND</b>		3
			CIT 215-Microsoft Server Administration <b>OR</b>		3
			CIT 214-Microsoft Server Configuration <b>AND</b>		(3)
			CIT 216-Microsoft Server Advanced Services <b>OR</b>		(3)
			CIT 217-UNNIX/LINUX Net Administration <b>AND</b>		(3)
			CIT 218-UNNIX/LINUX Net Infrastructure		(3)
<b>Total Credit Hours</b>		<b>12</b>	<b>Total Credit Hours</b>		<b>12</b>

Programming Electives	
Level I Programming	Level II Programming
CIT 140-JavaScript I	CIT 241-PHP II
CIT 141-PHP I	CIT 242-C++ 2
CIT 142-C++ I	CIT 243-C# II
CIT 145-Perl I	CIT 247 Programming II: Language
CIT 147-Programming Language	CIT 248-Visual Basic II
CIT 148-Visual basic I	CIT 249-Java II
CIT 149-Java I	CIT 271-SQL II
CIT 171-SQL I	Other University Level I or II programming language may be selected as approved by the Program Coordinator
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)

### **Internet Technologies Track Overview**

The Internet Technologies track prepares students to design, program, and maintain Internet-based services. With specializations in web programming and web server administration, this track will help prepare students for positions developing and maintaining interactive web sites.