



Computer & Information Technology

Associate in Applied Science Degree

Cloud Computing Technologies Track

FIRST YEAR COURSE SCHEDULE

Name		ID#		Semester	
✓	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 120 - Computational Thinking	3
	MAT126 - Technical Algebra & Trigonometry (or higher*)	3		Level I Networking Course	4
	Heritage/Humanities Course	3		CIT 170 - Database Design Fundamentals	3
	Social/Behavioral Sciences Course	3			
Total Credit Hours		15	Total Credit Hours		14

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

Summer Semester

Name		Credits
✓		
	CIT 201 - Information Storage Management	3
	CIT 262 - MS Server Infrastructure	3
Total Credit Hours		6

SECOND YEAR COURSE SCHEDULE

Name		Credits		Semester	Credits	
✓	Fall Semester	Credits	✓	Spring Semester	Credits	
	Level I Programming	3		CIT 217 - UNIX/Linux Administration	3	
	CIT 180 - Security Fundamentals	3		Specialization Sequence Course	3	
	Specialization Sequence Course	3(4)		Specialization Sequence Course	3	
	Specialization Sequence Course	3		Natural Science Course	3	
				CIT 293 - CIT Employability Studies	1	
Total Credit Hours		13	Total Credit Hours		13	
					Program Credit Hours	61(62)

Specialization Sequence Courses

Name		Credits		Semester	Credits
✓	Amazon Web Services (AWS)	Credits	✓	Data Center Technologies	
	CIT 206 - AWS Cloud Practitioner	3		CIT 203 - Introduction to Virtualization	3
	CIT 207 - AWS Cloud Architecting	3		CIT 204 - VMware Optimize and Scale	3
	CIT 167 - Routing and Switching Essentials	4		CIT 205 - Cloud Infrastructure and Services	3
	CIT Elective	3		Approved Networking Elective	3(4)

Recommended Level I Programming Courses			
✓	Course	Specialization	Credits
	CIT 171 - SQL 1	AWS, DC	3
	CIT 144 - Python I	AWS, DC	3

- o Python I and SQL are highly recommended in the AWS sequence. Students may take other languages as their career goals dictate. Students should talk with their advisors regarding their preferred programming language.
- o Students must maintain a "C" or better in all CIT courses for the course to count toward the degree. o 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.
- o Students may not use one course to fulfill multiple requirements.
- o All CIT graduates must take exit exam(s) as required by Ashland Community and Technical College/KCTCS.
- o Have a question? Contact Randolph.Cullum@kctcs.edu