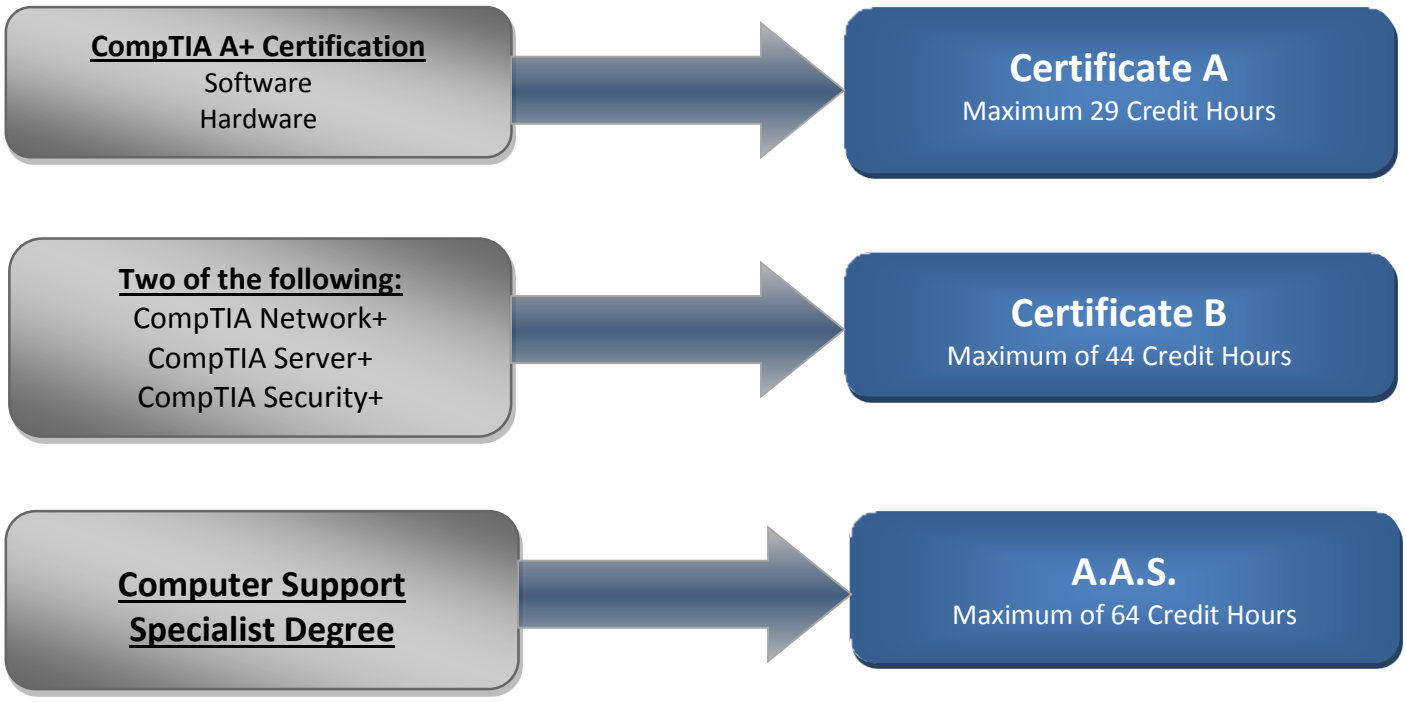
Computer Support Specialist Program Alignment – Kansas Board of Regents
CIP: 11.1006

2014
10/16/2014



Required Courses within Program

Common Courses:	***6 credits:***
CompTIA A+ Essentials	***3 credits***
CompTIA A+ Practical Applications	***3 credits***
Agreed upon Computer Specialist Courses*	***9 - 15 credits***
Network	***6 credits***
Server	***6 credits***
Security	***3 credits***
Support Courses*	***3 credits:***
Introduction to Computer and Applications	***3 credits***

Course list sequence has no implication on course scheduling by colleges.

Institutions may add additional competencies based on local demand.

**Institutions may* utilize existing course titles listed that adhere to the agreed upon course length range and competencies for the agreed upon Computer Support Specialist and support courses.

Notes

Specifics pertaining to Computer Support Specialist programs:

1. Graduates are expected to take the following Computing Technology Industry Association (CompTIA) exams:

   Certificate A certification options:
   - CompTIA A+ Certification Exams

   Certificate B certification options (two of the three):
   - CompTIA Network+ Exam
   - CompTIA Security+ Exam
   - CompTIA Server+ Exam

2. Educational competencies align with the CompTIA certification exam objectives.

3. Students are encouraged to obtain the Kansas **WORK***Ready!* Certificate (Silver-Level).

4. The common courses may represent opportunities for colleges to connect to K-12 CTE pathways.

Network+:
6 credit hours Computer Network courses that prepare students for the CompTIA Network+ Exam.

Competency areas:

1. Network Concepts
2. Network Installation and Configuration
3. Network Median Topologies
4. Network Management
5. Network Security

Examples:
Cisco Network Basic, Cisco Routing and Switching Essentials, Supporting Network Computers, Cisco, Networking Fundamentals, Routing protocols and concepts, Networking I, Networking II, Introduction to Network Concepts, Introduction to Networking, Cisco Networking II, Local Area Networking, Introduction to internet working and routers, Cisco Networking for Home and small business, Cisco Networking at a small to medium business, Networking Tech

Server+:
6 credit hours Computer Server courses that prepare students for the CompTIA Server+ Exam.

Competency areas:

1. System Hardware
2. Software
3. Storage
4. IT Environment
5. Disaster Recovery
6. Troubleshooting

Examples:
Server Administration I, Server Administration II, Server Operating Systems and Virtualization, Server Administration, Network Administration, Designing and Implementing a Server, Implementing an Administration Server

Security+:
3 credit hours Computer Security courses that prepare students for the CompTIA Security+ Exam.

Competency areas:

1. Network Security
2. Compliance and Operational Security
3. Threats and Vulnerabilities
4. Application, Data and Host Security
5. Access Control and Identity Management
6. Cryptography

Examples:
Network Security, Network Security Fundamentals, Fundamentals of Network Security, Operating Systems Security, Computer and Network Security, Computer and Network Security, Information Assurance and Computer Security I, Information Assurance and Computer Security II