

Certifications		Kansas Information Technology Cluster		Employment / Careers		
IC3 Oracle - • OCA I • OCA II SUN Certified Java 2 Cisco - IT Networking Academy • CCENT • CCNA • CCNP  CompTIA • Strata • CompTIA A+ • CompTIA Server + • CompTIA Network+  IB Computer Science AP Computer Science A	Adobe - Adobe Certified Associate (ACA) and Adobe Certified Expert (ACE) World Organization of Webmasters (WOW) - Web Designer, Webmaster & Web Developer (Apprentice and Associate Levels)  Microsoft - Digital Literacy/Business Professional - Technology Associate/MTA o IT Professional/Support Tech/DB/Enterprise/Server Administrator o Developer/Web/Windows - Office Specialist/MOS – Specialist/Professional/Master/Architect Series of Exams  HTI+ Autodesk - Certified User/Associate/Professional Intuit - QuickBooks iWork certification	Account Manager Animator Applications Analyst Applications Engineer Applications Integrator Business Analyst Call Center Support Representative Communications Analyst Computer Engineer Customer Service Representative Data Communications Analyst Data Modeler Data Systems Designer	Database Administrator Database Analyst Digital Media Designer E-Business Specialist Game Developer Help Desk Specialist Information Systems Administrator Information Systems Architect Information Systems Operator Information Technology Engineer Instructional Designer Instructional Technologist Maintenance Technician Media Specialist Multimedia Author Multimedia Developer Multimedia Specialist	Network Administrator Network Architect Network Engineer Network Manager Network Operations Analyst Network Security Analyst Network Specialist Network Technician Network Transport Administrator Operating System Designer/Engineer PC Support Specialist PC Support Specialist PC Systems Coordinator Producer Product Support Engineer Production Assistant Program Manager	Programmer Programmer Analyst Project Lead Software Applications Specialist Software Applications Specialist Software Design Engineer Streaming Media Specialist Support Engineer Systems Administrator or Engineer Systems Analyst Systems Analyst Systems Support Leader	Technical Communicator Technical Support Specialist Telecommunications Network Technician Test Engineer Tester Testing Engineer User Support Specialist Virtual Reality Specialist Web Administrator Web Architect/Designer Web Designer Web Developer Web Developer Web Producer Webmaster
For the pathway you have selected, choose at least <b>three courses</b> , one from each level.		Key <b>Yellow=Introductory</b> <b>Green=Technical</b> <b>Cyan=Application</b>		Courses are targeted at one credit but are not always strictly limited to that designation. <i>Individual students may be awarded credit based upon demonstrated knowledge of the content of a course or subject, regardless of the amount of time spent by the student in the course or subject. This regulation shall be effective on and after July 1, 2005 (Authorized by and implementing Article 6, Section 2(a) of the Kansas Constitution; effective July 1, 2005)</i>		

## Career Concentrations / Pathways

Information Support and Services CIP-11.0301	Web and Digital Communications CIP-11.1004	Network Systems CIP-11.0901	Programming and Software Development CIP-11.0201
10002/60002 Computing Systems (8 <sup>th</sup> -9 <sup>th</sup> )	10002/60002 Computing Systems (8 <sup>th</sup> -9 <sup>th</sup> )	10002/60002 Computing Systems (8 <sup>th</sup> -9 <sup>th</sup> )	10002/60002 Computing Systems (8 <sup>th</sup> -9 <sup>th</sup> )
10004/60004 Computer Applications (8 <sup>th</sup> -9 <sup>th</sup> )	10004/60004 Computer Applications (8 <sup>th</sup> -9 <sup>th</sup> )	10004/60004 Computer Applications (8 <sup>th</sup> -9 <sup>th</sup> )	10004/60004 Computer Applications (8 <sup>th</sup> -9 <sup>th</sup> )
10251 Computer Technology (9-12)	10201 Web Page Design (9-12)	10006 Telecommunications (9-12)	10151 Business Programming (9-12)
10252 Computer Maintenance (9-12)	10202 Computer Graphics (9-12)	10101 Network Technology (9-12)	10152 Computer Programming (9-12)
10253 Information Support and Services (10-12)	10203 Interactive Media (9-12)	10102 Networking Systems (9-12)	10153 Visual Basic Programming (9-12)
10254 IT Essentials: PC Hardware and Software (9-12)	05162/11154 Graphic Design (10-12)	10104 Router Basics (11-12)	10154 C++ Programming (9-12)
10255 CISCO—The Panduit Network Infrastructure Essentials (11-12)	10152 Computer Programming (9-12)	10105 NetWare Routing (11-12)	10155 Java Programming (9-12)
10256 Particular Topics in Information Support (11-12)	12162 Internet Marketing (10-12)	10106 Wide Area Telecommunications and Networking (10-12)	10156 Computer Programming-Other Language (9-12)
10051 Information Management (11-12)	10210 Animation (10-12)	10107 Wireless Networking (10-12)	10201 Web Page Design (9-12)
10053 Database Applications (10-12)		10108 Network Security (10-12)	10053 Database Applications (10-12)
10054 Data Systems/Processing (10-12)		10254 IT Essentials: PC Hardware and Software (10-12)	10054 Data Systems/Processing (10-12)
10052 Database Management and Data Warehousing (10-12)		10255 CISCO—The Panduit Network Infrastructure Essentials (10-12)	
10260 Educational Trainer (11-12)	10040 Emerging Technologies (9-12)		10165 Game Design and Authoring for the Web (10-12)
10055 Particular Topics in Management Information Systems (11-12)	10165 Game Design and Authoring for the Web (10-12)	10109 Essentials of Network Operating Systems (10-12)	10157 AP Computer Science A (11-12)
10098 Management Information System-Workplace Exp (10-12)	10204 Particular Topics in Media Technology (11-12)	10110 Microsoft Certified Professional (MCP) (10-12)	10159 IB Computing (11-12)
10099 Management Information System-Other (11-12)	10007 IB Information Technology in a Global Society (10-12)	10111 Particular Topics in Networking Systems (11-12)	10160 Particular Topics in Computer Programming (10-12)
10298 Information Support and Services-Workplace Experience (11)	10248 Media Technology – Workplace Experience (11)	10148 Networking Systems-Workplace Experience (11-12)	10198 Computer Programming-Workplace Experience (11)
10299 Information Support and Services-Other (11-12)	10249 Media Technology – Other (11-12)	10149 Networking Systems-Other (11-12)	10199 Computer Programming-Other (10-12)
Choose a minimum of 3 courses-minimum 1 course per level	Choose a minimum of 3 courses-minimum 1 course per level	Choose a minimum of 3 courses-minimum 1 course per level	Choose a minimum of 3 courses-minimum 1 course per level

**Skills / Academic Foundation /Career Exploration** (focus student interest –Career Pipeline, 21<sup>st</sup> Century Skills, Technical Writing instruction, etc)

(Middle Schools Can Provide the Introductory/Exploratory Course – We Encourage This Practice)

- ♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental  
 ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills

*All Courses are designated 1.0 Credits unless otherwise specified – Middle School credits are not currently measured but can be submitted as 1.0 credits*