




# II Information Technology Plan of Study



**Sub-Pathways:** Network Systems Pathway; Information Support Services; Interactive Media Pathway; Programming and Software Development Pathway.

High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English 9	Speech and Writing Experiences or Journalistic Writing	American Literature and Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Newspaper Laboratory
	Algebra 1 (or Geometry)	Geometry (or Algebra 2)	Algebra 2 (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Statistics (or AP Calculus)
	Molecular Biology	Chemistry	Physical Science or Physics	Advanced Chemistry or Physics
	American Studies II	Contemporary American History or Historical Viewpoints	Modern Western Civilization or Geography	American Government and Economics or Psychology or Sociology
	Lifetime Fitness Educ.	PE/Health	PE/Health	PE/Health
	Computer Applications I			

Electives	<p><b>World Languages:</b> In our global society, taking multiple years of a World Language is highly recommended for all post-secondary endeavors and is a requirement for many colleges.</p>
	<p><b>Related High School Electives:</b> Supplementary materials including the student 'Course Guide' showing elective course offerings that relate to each career cluster are available in the schools and on the district web site at:  <a href="http://www.davenport.k12.ia.us/students.asp">http://www.davenport.k12.ia.us/students.asp</a></p>
	<p><b>Sample Focused Elective Sequences:</b> With the diverse array of career opportunities available under each career cluster, there is no one right combination of elective course offerings. Students, in conjunction with parents, counselors and other caring adults must determine what is right for them. <b>More details can be found at:</b> <a href="http://davenportschools.org/curriculum/ACP/Foc_EI.pdf">http://davenportschools.org/curriculum/ACP/Foc_EI.pdf</a></p>
	<p><b>Sample Career-Focused Elective Sequences Follow:</b></p>
	<p><b>Computer Software-Related Careers: Choose at least 3 units from the following:</b> Computer Applications II - 0.5; Fundamentals of Web Design I - 0.5; Java 0.5; Visual Basic Programming 0.5; Advanced Visual Basic Programming 0.5; Information Technology 1.0; Introduction to Engineering Design 1.0; Introduction to Electronics 0.5; Digital Electronics 1.0; Computer Graphics &amp; Design I - 0.5; Computer Graphics Design II - 0.5</p>
<p><i>Work in Progress</i></p>	

<b>Post-Secondary</b>	<b>Kirkwood College</b>	<b>Clinton, Muscatine and Scott</b>	<b>University of Northern Iowa</b>
	<a href="http://www.kirkwood.cc.ia.us/programs">www.kirkwood.cc.ia.us/programs</a> Local Area Network Management Computer Information Systems Computer Support Specialist Geographic Information Systems Information Systems Management PC Technician Telecommunications Technology Web Design & Development	<input type="checkbox"/> <a href="#">Information Technology</a> <input type="checkbox"/> <a href="#">Software Development</a> <input type="checkbox"/> <a href="#">Networking</a> <input type="checkbox"/> <a href="#">A+</a> <input type="checkbox"/> <a href="#">Network +</a> <input type="checkbox"/> <a href="#">CISCO Networking</a> <input type="checkbox"/> <a href="#">Web Design</a> <input type="checkbox"/> <a href="#">Graphic Arts</a> <input type="checkbox"/> <a href="#">Software Applications Specialist</a> <input type="checkbox"/> <a href="#">PC Repair Technician</a> <input type="checkbox"/> <a href="#">Computer Science:</a>	<a href="http://www.uni.edu">www.uni.edu</a> Computer Information systems Computer Science
	<b>Black Hawk College</b>	<b>Kaplan University</b>	<b>Iowa State University</b>
	<a href="http://www.bhc.edu">www.bhc.edu</a> Business Information Technology CISCO Networking (CCNP) Computer Information Programmer Computer Operations and Repair Computer Science Transfer	<a href="http://www.kaplan">www.kaplan</a> Networking Technology Information Technology Software Development Computer Programming Computer Information Systems	<a href="http://www.bus.iastate.edu/">http://www.bus.iastate.edu/</a>  <b>Western Illinois University</b> <a href="http://www.wiu.edu">www.wiu.edu</a> Computer Science Information Systems
<b>Post-Secondary</b>	<b>Blackhawk College continued....</b>	<b>University of Iowa</b>	<b>St. Ambrose University</b>
	Computer Science Information Systems Microcomputer Support Specialist Microsoft Networking Engineer Certificate PC Application Programmer Certificate	<a href="http://www.uiowa.edu">www.uiowa.edu</a> Management Information System	<a href="http://www.sau.edu">www.sau.edu</a> Computer Information Systems Computer Network Administration Computer Science
		<b>Augustana College</b>	
	<a href="http://www.augustana.edu">www.augustana.edu</a> Computer Science	<a href="http://www.indianhills.edu">www.indianhills.edu</a> Computer Forensics Computer Networks & Security Computer Programmer/Analyst Electronics/Computer Occupations Microcomputer specialist	
<b>Career Enhancement Options</b>	<b>Work-based Learning Options</b>	<b>Software Development</b>	
	<input type="checkbox"/> Job-Shadowing: <input type="checkbox"/> Internship/Mentorship: <input type="checkbox"/> On-The-Job Training:	<input type="checkbox"/> Advanced Networking <input type="checkbox"/> Desktop Certifications <input type="checkbox"/> Windows XP	<input type="checkbox"/> Internet Network and Security <input type="checkbox"/> Network + 

**Parent/Guardian:** Please sign and return this document indicating that you are aware of your student's career cluster interest and have reviewed the courses recommended for this particular cluster. These are only recommendations. Students will be able to customize their Academic Career Plans to best meet their postsecondary and career goals.

\_\_\_\_\_  
PRINT Student's Name/School

\_\_\_\_\_  
Parent/Guardian's Signature

\_\_\_\_\_  
Date