



Pathway: Network Systems

Program of Study: Computer Information Technology – Secure Software Development Track

CIP: 110103

Moline HS



Education Levels	Grade	English	Math	Science	Social Studies/ Sciences	Other Required Courses or Recommended Electives	Career & Technical Courses and/or Degree Major Courses	Employment Opportunities & Career Ladder	For more information about pursuing a career in Computer Information Technology, visit: www.bhc.edu .
Secondary	9	Literature & Language 1	Algebra I or Pre-Algebra	Physics First	World Studies	Driver's Ed Health P.E.	9th and 10th Grade Coursework	Career Options: <ul style="list-style-type: none"> Assistant Network Manager Computer Repair Technician Computer Support Specialist Network Architect Network Installer Network Technician Server Administrator Systems Administrator WAN/LAN Manager 	
	10	Literature & Language 2	Geometry or Algebra I	Chemistry	American History	Driver's Ed Health P.E. Music World Language	Keyboarding Computer Concepts 1 & Computer Concepts 2		
	11	Literature & Language 3	Algebra II or Geometry	Biology or Elective	American Government, Consumer Education or Managerial Economics	P.E. Music World Language	11th and 12th Grade Coursework	Career Learning Experiences: <ul style="list-style-type: none"> Part-time job, work experience Internship 	
	<i>Complete College Placement Testing</i>								**Programming 1 (CIP 101) **Web Page Development (CIP 170) **Help Desk (ITS 125)
12	**Literature & Language 4	Mathematics	Elective	Elective	Elective	P.E. Music World Language			
Postsecondary	<i>Successfully completed dual credit/dual enrollment courses do not have to be repeated at postsecondary level.</i>								
	13	Fall Semester	CIP 170 - Web Page Development** CIP 190 - Team MS Office/SharePoint CS 105 (CIP 101) - Computer Science Principles** ENGT 224 - Computer Programming ITS 125 - Professional Skills** CIP 201 - Microsoft Project						
	Spring Semester	BE 264 - Microsoft Access CIP 150 - Secure Coding CS 121 - Intro to Computer Science NETW 170 - Intro to Information Security General Ed Elective in Humanities, Social Sciences, Science or Non-Western Studies							



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14	Summer Semester	MATH 112 - College Algebra
	Fall Semester	CIP 214 - C# Programming CIP 220 - Intro to Assured Software Eng CIP 227 - Database Management Systems CS 225 - Advanced Programming SPEC 101 - Principles of Speech Communication or SPEC 111 Business and Professional Comm
	Spring Semester	CIP 217 - Advanced C# Programming CIP 240 - Mobile Application Programming CIP 260 - System Design and Development CIP 270 - Field Project

****Dual Credit/Dual Enrollment opportunities – Students must meet college requirements to enroll.**

Revised 5-17-19