Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Computer Information Systems Advisement Code No. 123   CIP Code

Cluster   Information Technology   Pathway   Information Support Services

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 150 C++ Programming I OR CIS 160 Java Programming I	ENG 103 Composition I	MAT 155 OR MAT 210 Finite Mathematics	Life Science 3 - 4	Social Science Course	Skills USA	
	13 (Spring)	CIS 250 C++ Programming II OR CIS 260 Java Programming II	ENG 104 Fine Arts course	MAT 229 Calculus and Analytic Geometry I		Social Science Course		
	14 (Fall)	CIS 123 Management Information Systems	SPE 100 Oral Communication Humanities course	MAT 230 Calculus and Analytic Geometry II		Social Science Course Second Discipline		
	14 (Spring)		Humanities or Fine Arts course	MAT 231 Calculus and Analytic Geometry III	Physical Science 3 – 4 hours		ACC 108 Business Accounting ACC 121 Financial Accounting	
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Computer Programmer Application Programmer Database Administrator Web Programmer	Degrees and Certificates Available: Associate in Art Associate in Science
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes
Please see desired transfer school requirements for programming language selection and math requirements

DHS_CIS_AAorAS123

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Computer Information Systems #437, Programming
Option   CIP Code   110103

Cluster   Information Technology   Pathway   Information Support Services

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 101 Introduction to Computers CIS 110 Visual Basic programming CIS 111 Logic and program Design CIS 115 Internet Fundamentals CIS 118 Foundations of Web Site Development	ENG 103 Composition I or ENG 109 Introduction to Technical Writing				CIS Elective Skills USA	CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship
	13 (Spring)	CIS 123 Management Information Systems CIS 140 Network Fundamentals	SPE Oral Communication	MAT 150 College Algebra or MAT 210 Finite Mathematics		Social Science Elective		
	14 (Fall)	CIS 150 (3) C++ Programming I CIS 160 (3) Java Programming I CIS 170 Introduction to UNIX CIS 237 Database Management and SQL				Humanities Elective	CIS Elective, Skills USA CIS Elective ACC 108 Business Accounting ACC 121 Financial Accounting Skills USA	
	14 (Spring)	CIS 250 C++ Programming II CIS 260 Java Programming II CIS 238 Systems Analysis and Design CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship						
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Computer Programmer Application Programmer Database Administrator Web Programmer	Degrees and Certificates Available: AAS #437 Computer Information /systems Computer Programming Certificate Web Developer Certificate
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

DHS_CIS_AAS437Prog

| 16 (Spring) | Continued Classes in Chosen Program of Study | Classes and Electives Required for bachelors degree | Classes and Electives Required for bachelors degree | Classes and Electives Required for bachelors degree | Classes and Electives Required for bachelors degree | | |

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College Kishwaukee College   High School DeKalb High School

Program of Study: Computer Information Systems #437, Web Development Option   CIP Code 110103

Cluster Information Technology   Pathway Web & Digital Communications

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Introduction to Computer Technology	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
SECONDARY	10		English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
SECONDARY	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
SECONDARY	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 101 Introduction to Computers CIS 111 Logic and program Design CIS 115 Internet Fundamentals CIS 118 Foundations of Web Site Development	ENG 103 Composition I or ENG 109 Introduction to Technical Writing	MAT 150 College Algebra or MAT 210 Finite Mathematics			CIS Elective Skills USA	CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship
POSTSECONDARY	13 (Spring)	CIS 119 JavaScript CIS 123 Management Information Systems CIS 140 Network Fundamentals	SPE Oral Communication			Social Science Elective		
POSTSECONDARY	14 (Fall)	CIS 124 Introduction to XML CIS 160 (3) Java Programming I CIS 170 Introduction to UNIX CIS 237 Database Management and SQL				Humanities Elective	CIS Elective Skills USA	
POSTSECONDARY	14 (Spring)	CIS 260 Java Programming II CIS 265 Server-side Programming CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship						
POSTSECONDARY	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Web Developer Web Programmer Web Designer Webmaster	Degrees and Certificates Available: AAS #437 Computer Information /systems Web Option Web Development Certificate Programming Certificate
POSTSECONDARY	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
POSTSECONDARY	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
POSTSECONDARY	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_AAS437WEB

Program of Study Sequence

Community College Kishwaukee College   High School DeKalb High School

Program of Study: Networking & Systems Administration #460, Cisco
Option   CIP Code 111001

Cluster Information Technology   Pathway Information Support Services

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 145, 146, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 140 Networking Fundamentals CIS 145 Cisco Networking I	ENG 103 Composition I or ENG 109 Introduction to Technical Writing SPE Oral Communication	MAT 150 College Algebra or MAT 210 Finite Mathematics			CIS Elective Skills USA	CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship
	13 (Spring)	CIS 142 PC Repair and Configuration CIS 146 Cisco Networking II				Humanities Elective Social Science Elective		
	14 (Fall)	CIS 147 Cisco Networking III CIS 170 Intro to Unix OR CIS 182 Windows Server Fundamentals I					CIS 110 (3)Visual Basic Programming -OR- CIS 150 (3) C++ Programming I- OR- CIS 160 (3) Java Programming I CIS Elective, Skills USA	
	14 (Spring)	CIS 123 Management Info Syst. CIS 148 Cisco Networking IV CIS 270 Fund of Linux Admin OR CIS 282 Windows Server II Netwrk CIS 236 (3) CIS Project -OR- CIS 296 (3) CIS Internship						
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Network manager Network specialist Network Technician Network Administrator	Degrees and Certificates Available: CCNA certification test ready. Comp TIA A+ and Net+ ready Certificate in Network Administration Certificate in Cisco Networking Certificate in PC Technician AAS in Network Administration AAS in Cisco Networking
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_AAS460Cisco

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Networking & Systems Administration #460, Network Administration Option   CIP Code   111001

Cluster   Information Technology   Pathway   Information Support Services

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives		Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed		Work Based Learning Activities (11 & 12
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 145, 146, 182	English IV	Pre-calculus	Physics	US Government			
POSTSECONDARY	13 (Fall)	CIS 140 Network Fund. CIS 182 Windows Server Fund, CIS 184 Windows Prof. Config	ENG 103 Comp I or ENG 109 Technical Writing	MAT 150 College Algebra or MAT 210 Finite Mathematics			Skills USA CIS Elective		CIS 296 CIS Internship
	13 (Spring)	CIS 123 Management of Info Systems, CIS 142 Pc Repair, CIS 282 Windows Server 2				Social Science Elective Humanities Elective			
	14 (Fall)	CIS 110 or 150 or 160, 143 Wireless Communications, CIS 170 Intro Unix, , CIS 237 Database Management	SPE 100 Oral Communications,				CIS Electives, Skills USA		
	14 (Spring)	CIS 236 or CIS 296, CIS 270 Fund of Linux Admin, CIS 283 Network Security							
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Network manager Network specialist Network Technician Network Administrator	Degrees and Certificates Available: Comp TIA A+ and Net+ ready Certificate in Network Administration Certificate in Cisco Networking Certificate in PC Technician AAS in Network Administration AAS in Cisco Networking	
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert460NetAdmOpt

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Computer Programming   CIP Code   11.0201

Cluster   Information Technology   Pathway   Program & Software Development

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 101 Introduction to Computers OR CIS 123 Management Information Systems CIS 110 Visual Basic programming OR CIS 160 Java Programming CIS 111 Logic and program Design CIS 150 (3) C++ Programming I CIS 237 Database Management and SQL					CIS Elective Skills USA	
	13 (Spring)	CIS 210 Visual Basic Programming II CIS 250 C++ Programming II CIS 260 Java Programming II CIS 238 Systems Analysis and Design						
	14 (Fall)						Skills USA	
	14 (Spring)							
	15 (Fall)						Career Opportunities: Computer Programmer Application Programmer Database Administrator	Degrees and Certificates Available: Computer Programming Certificate
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert451

Program of Study Sequence

Community College __Kishwaukee College__   High School __DeKalb High School__

Program of Study: __Data Entry/Microcomputer Application__   CIP Code __11.0601__

Cluster __Business Management & Administration__   Pathway __Administrative Support__

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11		English III	Algebra II		US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12		English IV			US Government		
POSTSECONDARY	13 (Fall)	CIS101 Introduction to Computers OR CIS 123 Management Information Systems CIS 105 Introduction to Microsoft Windows CIS 115 Internet Fundamentals CIS/OS 133 Spreadsheets/Excel OS 125 Word Processing/Word					CIS or OS electives	
	13 (Spring)	CIS/OS 135 Database/Access OS136 Presentation Graphics/PowerPoint						
	14 (Fall)							
	14 (Spring)							
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Administrative Assistant Office/Facilities Coordinator/Assistant Research Administrator Any position that requires computer proficiency	Degrees and Certificates Available: Microcomputer Applications Certificate
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

DHS_CIS_Cert452

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Web/Multimedia Mgmt. & Webmaster   CIP Code   11.1004

Cluster   Information Technology   Pathway   Web & Digital Communications

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II		US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 182	English IV	Pre-calculus		US Government		
POSTSECONDARY	13 (Fall)	CIS 111 Logic and program Design CIS 115 Internet Fundamentals CIS 118 Foundations of Web Site Development CIS 160 Java Programming CIS 170 Introduction to Unix					CIS Elective Skills USA	
	13 (Spring)	CIS 119 Java Script CIS 260 Java Programming II						
	14 (Fall)						Skills USA	
	14 (Spring)							
	15 (Fall)						Career Opportunities: Web Developer Web Designer Webmaster	Degrees and Certificates Available: Web Development Certificate
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert454

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Computer Installer and Repair   CIP Code   47.0104

Cluster   Manufacturing   Pathway   Maint., Inst. & Repair

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II		US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 145, 146, 182	English IV			US Government		
POSTSECONDARY	13 (Fall)	CIS 140 Network Fund. CIS 182 Windows Server Fund, CIS 184 Windows Prof. Config					Skills USA	CIS 296 CIS Internship
	13 (Spring)	CIS 142 Pc Repair CIS 170 Intro Unix						
	14 (Fall)						Skills USA	
	14 (Spring)							
	15 (Fall)						Career Opportunities: Technical support specialist Field service technician IT support technician IT support administrator IT support specialist Network manager Network specialist Network Technician	Degrees and Certificates Available: Prepared for: Comp TIA A+ , Net+ ready, MCSA Microsoft Certification Certificate in PC Technician
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert466

Program of Study Sequence

Community College   Kishwaukee College   High School   DeKalb High School

Program of Study: Networking & Systems Administration Network   CIP Code   11.1001

Cluster   Information Technology   Pathway   Information Support & Services

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12
SECONDARY	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
SECONDARY	11	KEC Computer Information Systems KC Dual Credit for CIS 142, ELE 142	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
SECONDARY	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 145, 146, 182	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	CIS 140 Network Fund. CIS 182 Windows Server Fund,					Skills USA	
POSTSECONDARY	13 (Spring)	CIS 282 Windows Server 2						
POSTSECONDARY	14 (Fall)	CIS 143 Wireless Communications, CIS 170 Intro Unix, CIS 184 Windows Prof. Config					Skills USA	
POSTSECONDARY	14 (Spring)	CIS 270 Fund of Linux Admin, CIS 283 Network Security						
POSTSECONDARY	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Network manager Network specialist Network Administrator Network technician	Degrees and Certificates Available: Prepared for: Network+ Linux+ Security+ MCSA Microsoft Certification Certificate in Network Administration
POSTSECONDARY	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
POSTSECONDARY	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
POSTSECONDARY	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert467

Program of Study Sequence

Community College Kishwaukee College   High School DeKalb High School

Program of Study: Computer Systems Networking & Tele   CIP Code 11.0901

Cluster Information Technology   Pathway Network Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Keyboarding/Formatting I Keyboarding/Formatting II	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Computer Applications I Computer Applications II	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	KEC Computer Information Systems KC Dual Credit for CIS 142	English III	Algebra II		US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	KEC Computer Information Systems 2 – KC Dual Credit for CIS 140, 145, 146, 182	English IV	Pre-calculus		US Government		
POSTSECONDARY	13 (Fall)	CIS 145 Cisco Networking I					Skills USA	
	13 (Spring)	CIS 146 Cisco Networking II						
	14 (Fall)	CIS 147 Cisco Networking III CIS 170 Introduction to Unix OR CIS 182 Windows Server Fundamentals I						
	14 (Spring)	CIS 148 Cisco Networking IV CIS 270 Fundamentals of Linux Administration OR CIS 282 Windows Server II Networking						
	15 (Fall)						Career Opportunities: Network manager Network specialist Network Technician Network installer	Degrees and Certificates Available: CCNA certification test ready. Certificate in Cisco Networking
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

DHS_CIS_Cert468