



# Air Conditioning and Refrigeration

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E. Dr. Ed/ Constitution	Key. Format I / Comp. Concepts		Basic Ag. Mech.		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC HVAC	Ag Mech. Tech.		
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC HVAC	Ag. Const.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamental of Writing	MATH 1123 Technical Mathematics II					AIRC 1014 Fund. Of Air Cond	DRFT 1154 Tech. Drafting & Print Rdg	ELTR 1034 Fluid Power	AIRC 1023 Controls & Circ for HVAC
								AIRC 1114 Domestic Refrigeration	ELTR 1024 Basic Circuit Analysis	ELTR 1402 Industrial Safety	
Year 15				PSCI 1514 Introduction to Physical Science- Chemistry & Physics	SOCY 2513 Sociology		BSNS 1603 Business Communications		ELTR 2414 Ind Motor Control	WELD 1114 BASIC WELD	AIRC 1214 Heating Plants
								AIRC 1313 Air Handling	AIRC 1124 Commercial Refrigeration	ELTR 2074 DC & AR Rotating Machines & Drive Trains	
	<i>Total Hours for Assoc in Applied Science Degree = 69 hrs.</i>										
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
A popular college for recent KCC graduates is Ferris State University.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Automotive Technology

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Automotive Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag Mech		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Mechanics	Ag. Mech. Tech.		
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Mechanics	Ag. Const. Tech.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamental of Writing	MATH 1123 Technical Mathematics II	PSCI 1514 Introduction to Physical Science- Chemistry & Physics		AUTO 2243 ALIGN, STEER, SUSPENSION	COSC 1513 Introduction to Information Processing	AUTO 1064 INTERNAL COMB ENGINE	AUTO 1073 Ignition & Electrical Systems I	AUTO 1143 Brakes	WELD 1114 Basic Welding
							AUTO 1123 Ignition & Electrical Systems II	AUTO 2013 Computerized Engine Controls I	ELTR 1402 Industrial Safety	AUTO 2233 Heating & Air Cond	
				SOCY 2513 Sociology		BSNS 1603 Business Communications	AUTO 1213 Manual Trans & Drive		DRFT 1154 Technical Drafting & Print Reading	ELTR 1064 Fundamentals of Electricity	
	<i>Total Hours for Assoc in Applied Science Degree = 69 hrs.</i>							MCHN 1214 Machine Tool I	MCHN 1311 Prec Measmt	AUTO 1223 Automatic Trans	AUTO 2253 Serv Shop Oper
Yr 15											
Yr 16	At this time, no Bachelor's Degree programs in Automotive Technology exist, but course work can be used for a Bachelor's in another Industrial program.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Business - Accounting

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Business Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key. Format I / Comp. Concepts Spanish I			Bus. Tech. Concepts	
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II		Info Proc. I	Bus. Tech. Concepts	
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		ACCOUNTING I	Info. Proc. II	Bus. Tech. Proc.	
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	Acct. II	Info Proc. III	Bus. Tech. Proc.	
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamental of Writing	MATH 1213 Applied Arithmetic / or higher		4 Credit Hours General Education Electives		12 Credit Hours Business Electives	ACCT 1413 GEN ACC OR	ECON 1553 Principles of Macroeconomics	BSNS 1553 Introduction to Business	BSNS 1603 Business Communications
							MKTG 1553 Principles of Marketing	ACCT 1514 Financial Accounting			
	ENGL 1613 English I						BSNS 2553 Principles of Management	BSNS 1653 OR BSNS 1663 Bus Law OR Legal & Soc Env of Bus	COSC 1372 Excel	ACCT 2753 Cost Accounting	
	<i>Total Hours for Assoc in Applied Science Degree = 61 hrs.</i>									ACCT 1523 Managerial Accounting	ACCT 2613 Intermediate Accounting
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
							Recommended High School Academic Courses				
							Required Courses & Electives at KCC				
							Recommended HS CTE Courses (Career Center = Green)				
Popular colleges for recent KCC graduates include ISU, NIU, UI OR GSU.							DUAL CREDIT CLASSES ARE CAPITALIZED.				



# Business Marketing/Management

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Business Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key. Format I / Comp. Concepts Spanish I			Bus. Tech.Con.	
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II		Info Proc. I	Bus. Tech.Con.	
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		ACCOUNTING I	Info Proc. II	Bus. Tech. Proc.	
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	Acct. II	Info Proc. III	Bus. Tech. Proc.	
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamental of Writing	MATH 1213 Applied Arithmetic / or higher				12 Credit Hours Business Electives	ACCT 1413 GENERAL ACC OR	ECON 1553 Principles of Macroeconomics	BSNS 1553 Introduction to Business	BSNS 1603 Business Communications
							MKTG 1553 Principles of Marketing	ACCT 1514 Financial Accounting			
Year 14		ENGL 1613 English I					4 Credit Hours General Education Electives	BSNS 2553 Principles of Management	BSNS 2213 Human Resource Management	BSNS 1653 OR BSNS 1663 Business Law or Legal & Soc Env of Business	BSNS 2113 OR BSNS 1373 Small Bus Man or Pers Finance
		<i>Total Hours for Assoc in Applied Science Degree = 61 hrs.</i>						MKTG 2063 Fund of Advertising	MKTG 1253 Sales & Cust Service		
Yr 15											
Yr 16		Complete Baccalaureate Degree at four-year college.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ISU, NIU, UI OR GSU.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Business Supply Chain Management

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Business Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts	Spanish I			Bus. Tech. Concepts
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution	Spanish II		Info Proc. I	Bus. Tech. Concepts
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.			ACCOUNTING I	Info. Proc. II	Bus. Tech. Proc.
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.		Acct. II	Info. Proc. III	Bus. Tech. Proc.
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamental of Writing	MATH 1213 Applied Arithmetic / or higher	4 Credit Hours General Education Electives			12 Credit Hours Business Electives	ACCT 1413 GEN ACC OR	ECON 1553 Principles of Macroeconomics	BSNS 1553 Introduction to Business	BSNS 1603 Business Communications
							MKTG 1553 Principles of Marketing	ACCT 1514 Financial Accounting			
Year 14		ENGL 1613 English I			TWDL 1402 Transportation & Cargo Security	TWDL 1303 Principles of Operations Management	TWDL 1103 Supply Chain Management	BSNS 2553 Principles of Management	TWDL 1003 Transportation & Physical Distribution	BSNS 1653 or BSNS 1663 Bus Law OR Legal & Soc Env of Bus	TWDL 1203 Intro to Import/Export
		<i>Total Hours for Assoc in Applied Science Degree = 61 hrs.</i>									
Yr 15											
Yr 16		Complete Baccalaureate Degree at four-year college.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ISU, NIU, UI OR GSU.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Child Development-Director/Administrator

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Human Services Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II		Info. Proc. I		
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.	Spanish III	DACC Early Child Ed.	Info. Proc. II	Acct. I	
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed. Spanish IV	DACC Early Child Ed.		Acct. II	
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing		4 Credit Hours General Education Electives	PSYC 1813 Introduction to Psychology		CDEV 2543 Child Study & Observation	CDEV 1513 Child Growth/ Development	CDEV 2533 Early Childhood Curriculum	SPCH 1553 Introductory Speech	COMP 1521 Computer Literacy
							Elective	CDEV 2523 Introduction to Early Childhood Education	BSNS 2143 Human Relations in Business	BSNS 1553 Introduction to Business	PSYC Course One Additional
		ENGL 1613 English I					BSNS 2213 Human Resource Management	ACCT 1413 Gen Acctg or	CDEV 2363 Administration in Child Care Settings	BSNS 1603 Introduction to Business	
		<i>Total Hours for Assoc in Applied Science Degree = 64 hrs.</i>					BSNS 2113 Small Bus Man	ACCT 1514 Financial Acctg	EDUC 1833 Stud w/ Disabilities	CDEV 2633 Health, Nutr & Safety	CDEV 2403 Clinical Exp
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ONU or UI.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Child Development-Education Option

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Human Services Career Pathway			
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*Interest Inventory Administered and Program of Study Initiated for all Learners*

SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Early Child Ed.			

*College Placement Assessments-Academic/Career Advisement Provided*

	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Early Child Ed.			
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*Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.*

Year 13 and Year 14	ENGL 1413 Fundamentals of Writing		6 Credit Hours of Electives	PSYC 1813 Introduction to Psychology			CDEV 2513 Child, Family and Community Relations	CDEV 2533 Early Childhood Curriculum	SPCH 1553 Introductory Speech	COMP 1521 Computer Literacy	
	ENGL 1613 English I						CDEV 2523 Introduction to Early Childhood Education	CDEV 2163 Discipline/ Class Management	CDEV 1513 Child Growth/ Development	PSYC Course One Additional	
							CDEV 2253 Motor Development/ Physical Activities	CDEV 2233 Language Acquisition and Development	CDEV 2243 Science/Math Activities	CDEV 2223 Art/ Music Activities	
	<b>Total Hours for Assoc in Applied Science Degree = 64 hrs.</b>							CDEV 2013 Hist and Phil of Early Child Ed	1 Humanities, Soc and Behav Sc, or Math	CDEV 2633 Health, Nutrition & Safety	
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										

Recommended High School Academic Courses

Required Courses & Electives at KCC

Recommended HS CTE Courses (Career Center = Green)

Popular colleges for recent KCC graduates include ONU or UI.

DUAL CREDIT CLASSES ARE CAPITALIZED.



# Computer Aided Drafting

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag Mech		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC CAD	Ag. Mech. Tech.		
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC CAD	Ag. Const. Tech.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
POSTSECONDARY	Year 13 and Year 14	ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II	PSCI 1514 Intro to Phy Sc. Chem & Phy				CNST 1413 Building Const.	DRFT 1154 Technical Drafting & Print Reading	ELTR 1402 Industrial Safety	DRFT 2114 Computer-Aided Drafting I
								DRFT 2124 Computer-Aided Drafting II	Technical Elective		
					SOCY 2513 Sociology		BSNS 1603 Business Communications	DRFT 2134 Computer-Aided Drafting III	DRFT 2233 Internship or Technical elective	DRFT 2414 Architectural Drafting	MCHN 1214 Machine Tool I
		<i>Total Hours for Assoc.in Applied Science Degree = 66 hrs.</i>						MCHN 1311 Precision Measurement	CNST 1444 Surveying with Civil Applications	DRFT 2164 Technical Illustration	Technical Elective
Yr 15											
Yr 16	Complete Baccalaureate in Drafting (4-Year Degree Program)										
								Recommended High School Academic Courses			
								Required & Elective Courses at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular schools for recent KCC grads include ISU, UIC, and Illinois Institute of Technology.								DUAL CREDIT CLASSES ARE CAPITALIZED			





# Computer Graphic Design

Career Program of Study												
EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway				
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>												
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Art I			Bus. Tech. Concepts		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Draw I Paint I		Info Proc. I	Bus. Tech. Concepts		
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.	Draw 2 Paint 2	DACC Graphic Design	Info Proc. II	Bus. Tech. Proc.		
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed. Draw 3 Paint 3	DACC Graphic Design	Info Proc. III	Bus. Tech. Proc.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>												
POSTSECONDARY	Year 13 and Year 14	ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II	PSCI 1514 Intro to Phy Sc. Chem & Phy		BSNS 2423 Internship		DSGN 1133 Pack Design				
							COSC 1513 Intro to Info Processing	DSGN 1113 Digital Photography	DSGN 1123 Intro to Web Design	DSGN 1213 Photoshop Digital Imaging	DSGN 1223 Digital Motion Graphics	
						6 Hrs. Elective from two Tech Areas	BSNS 1603 Business Communications	DSGN 1233 Document Design	DSGN 1243 Computer Illustration	DSGN 1253 Portfolio Development	ARTS 1503 Basic Drawing	
		<i>Total Hours for Assoc in Applied Science Degree = 67 hrs.</i>						SOCY 2513 Sociology	ARTS 1513 Two-Dimensional Design	ARTS 1813 Three-Dimen Design	ARTS 2553 Photography	ARTS 2563 Photography II
	Yr 15											
Yr 16	Complete Baccalaureate in Drafting (4-Year Degree Program)											
								Recommended High School Academic Courses				
								Required & Elective Courses at KCC				
								Recommended HS CTE Courses (Career Center = Green)				
Popular schools for recent KCC grads include Bradley, UI, Columbia and Illinois Institute of Art.								DUAL CREDIT CLASSES ARE CAPITALIZED				



# Construction Management

EDUCATION LEVELS		GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Architecture & Construction Career Pathway			
+ Interest Inventory Administered and Program of Study Initiated for all Learners												
SECONDARY	9		English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts	Basic Ag Mech			
	10		English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11		English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		Ag. Const. Tech.			
College Placement Assessments-Academic/Career Advisement Provided												
	12		English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	Ag. Mech. Tech.			
Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.												
Year 13 and Year 14			ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II					CNST 1413 Intro to Building Construction	CONST 1423 Construction Materials & Methods	COSC 1513 Intro to Information Processing	ELTR 1174 National Electric Code and Wiring Methods
									DRFT 1154 Technical Drafting & Print Reading	CNST 1444 Surveying with Civil Applications	ELTR 1402 Industrial Safety	ELTR 1064 Fundamentals of Electricity
				MATH 1774 Statistics	PSCI 1514 Intro to Phy Sc-Chem & Physics	SOCY 2513 Sociology		BSNS 1603 Business Communications	AIRC 1014 Fundamentals of Air Conditioning	CNST 2413 Mechanical Systems for Bldgs	BSNS 2553 Principals of Management	CNST 2433 Estimating and Bidding
		<b>Total Hours for Assoc in Applied Science Degree = 65 hrs.</b>							CNST 2443 Building Codes and Inspection	CNST 2453 Professional Practice	CNST 2423 Masonry Skills	
Yr 15												
Yr 16	Complete Baccalaureate Degree at four-year college.											
									Recommended High School Academic Courses			
									Required Courses & Electives at KCC			
									Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ISU & WIU.									DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Electrical Technology - Industrial Electrical Technology

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway				
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>												
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag Mech			
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution					
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Electronics	Ag Mech Tech.			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Electronics	Ag. Const. Tech.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>												
POSTSECONDARY	Year 13 and Year 14	ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II					ELTR 1114 Digital Fundamentals	ELTR 1423 Electrical/Elect Drafting	COSC 1513 Intro to Information Processing	ELTR 1174 Nat Elect Code and Wiring Meth	
								ELTR 1024 Basic Circuit Analysis	ELTR 1034 Fluid Power	ELTR 1402 Industrial Safety	ELTR 1064 Fund of Elect	
		MATH 2113 Technical Mathematics III	PSCI 1514 Introduction to Physical Science-Chem & Physics				BSNS 1603 Business Comm	ELTR 2444 Industrial Programmable Contr & Robotics	ELTR 2414 Industrial Motor Control	BSNS 2553 Principals of Management	ELTR 1044 Semiconductor Electronics	
		<i>Total Hrs for Assoc in Applied Science Degree = 66 hrs.</i>						SOCY 2513 Sociology	ELTR 1174 National Electric Code & Wiring	ELTR 2074 DC & AC Rotating Machines		
	Yr 15											
Yr 16	Complete Baccalaureate in Engineering or several other programs. (4-Year Degree Program)											
								Recommended High School Academic Courses				
								Required & Elective Courses at KCC				
								Recommended HS CTE Courses (Career Center = Green)				
Popular schools for recent KCC grads include Olivet, ISU, SIUC and Purdue.								DUAL CREDIT CLASSES ARE CAPITALIZED				



# Electrical Technology/ Industrial Machinery Maintenance

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway				
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>												
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag Mech			
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution					
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Electronics	Ag. Mech. Tech.			
<i>College Placement Assessments-Academic/Career Advisement Provided</i>												
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Electronics	Ag. Const. Tech.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>												
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II					ELTR 1114 Digital Fundamentals	ELTR 1423 Electrical/Electronic Drafting	COSC 1513 Intro to Information Processing	ELTR 1174 National Electric Code and Wiring Methods	
								ELTR 1024 Basic Circuit Analysis	ELTR 1034 Fluid Power	ELTR 1402 Industrial Safety	ELTR 1064 Fundamentals of Electricity	
				PSCI 1514 Introduction to Physical Science				BSNS 1603 Business Communications	WELD 2124 Tungsten Inert Gas Welding	ELTR 2414 Industrial Motor Control		MCHN 1214 Machine Tool I
								SOCY 2513 Sociology	WELD 2224 Metallic Inert Gas Welding	ELTR 2074 DC & AC Rotating Machines		AIRC 1014 Fundamentals of Air Conditioning
<i>Total Hrs for Assoc in Applied Science Degree = 68 hrs.</i>												
Yr 15												
Yr 16	Complete Baccalaureate Degree at four-year college.											

Recommended High School Academic Courses							
Required Courses & Electives at KCC							
Recommended HS CTE Courses (Career Center = Green)							
Popular schools for recent KCC grads include Olivet, ISU, SIUC and Purdue.							
DUAL CREDIT CLASSES ARE CAPITALIZED							



# Electrical Technology/ Renewable Energy Technology

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag. Sci.		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution		Basic Ag Mech		
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Electronics	Ag. Const. Tech.		
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Electronics	Ag. Mech. Tech.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II					ELTR 1114 Digital Fundamentals	ELTR 1423 Electrical/Elect Drafting	COSC 1513 Intro to Information Proc	ELTR 1174 National Electric Code and Wiring
								ELTR 1024 Basic Circuit Analysis	ELTR 1034 Fluid Power	ELTR 1402 Industrial Safety	ELTR 1064 Fundamentals of Electricity
			MATH 2113 Technical Mathematics III	PSCI 1514 Physical Science-Chem & Physics	SOCY 2513 Sociology		BSNS 1603 Business Communications	ELTR 2324 Small-Wind Thermal Tech	ELTR 2334 Solar-Photovoltaic	ELTR 2314 Intro to Solar-Thermal	ELECT 1044 Semiconductor Electronics
	<i>Total Hrs for Assoc in Applied Science Degree = 70 hrs.</i>							ELTR 1174 National Electric Code & Wiring	ELTR 2074 DC & AC Rotating Machines		
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular schools for recent KCC grads include Olivet, ISU, SIUC and Purdue.								DUAL CREDIT CLASSES ARE CAPITALIZED			



# Horticulture Technology

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Career Pathway			
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*Interest Inventory Administered and Program of Study Initiated for all Learners*

SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag. Sci.		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution		Basic Ag Mech		
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Horticulture/Ag. Education	Horticulture		

*College Placement Assessments-Academic/Career Advisement Provided*

	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Horticulture/Ag. Education	Bio. Plants Sci. / Bio. Animal Sci.		
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*Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.*

Year 13 and Year 14	ENGL 1413 Fundamental of Writing	ECON 1553 Principles of Macroeconomics	BIOL 1514 General Biology				AGRC 1254 Basic Skills	HORT 1133 Plant Diseases and Insects	BSNS 2143 Human Relations in Business		
							AGRC 1263 Soil Fertility	HORT 1144 Landscape Plants	BSNS 1553 Intro to Business		
	ENGL 1613 English I	MATH 1113 Technical Mathematics I					BSNS 1603 Business Communication		HORT 1154 Landscape Layout and Design		
								HORT 1014 Fundamentals of Horticulture	HORT 1173 Greenhouse Operations		
	<i>Total Hours for Assoc in Applied Science Degree = 64 hrs.</i>						HORT 1023 Plant Propagation	HORT 1234 Turf Management			
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										

Recommended High School Academic Courses

Required Courses & Electives at KCC

Recommended HS CTE Courses (Career Center = Green)

A popular college for recent KCC graduates is the University of Illinois

DUAL CREDIT CLASSES ARE CAPITALIZED.



# Law Enforcement

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Law Enforcement Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Criminal Justice			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Criminal Justice			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1613 English I AND ENGL 1623 English II		PSCI 1514 Introduction to Physical Science- Chemistry & Physics	PSYC 1813 Into to Psychology		Eight credit hours of electives	LAWF 1513 Intro to Criminal Justice	LAWF 1713 Basic Criminal Law		
			MATH 2113 Technical Mathematics III				Eight credit hours of electives	LAWF 1613 Police Operations & Services	LAWF 1753 Juvenile Delinquency		
		<i>Total Hours for Assoc in Applied Science Degree = 64 hrs.</i>					SOCY 2513 Sociology	LAWF 1723 Criminal Evidence and Procedures	LAWF 2723 Intro to Corrections	LAWF 2513 Criminology	SPCH 1553 Introductory Speech
Yr 15											
Yr 16		Complete Baccalaureate Degree at four-year college.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include WIU, SIU, GSU, & ISU.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Medical Assistant

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway				
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>												
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts					
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution		Info. Proc. I			
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occ.	Info. Proc. II	ACCOUNTING I		
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occ.	Info. Proc. III	Acct. II		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>												
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing OR ENGL 1613 English I		BIOL 1554 Human Biology			COSC 1513 Intro to Information Proc	BSNS 2311 Successful Customer Service	HLTH 1224 Admin Procedures	COSC 1352 Word	COSC 1372 Excel	
							BSNS 1603 Business Communications	HLTH 1372 Ethical and Legal Issues	HLTH 1312 Medical Terminology			
								PNUR 1438 Nursing Assistant (Summer)	HLTH 1243 Laboratory Procedures	HLTH 1343 Basic ICD-9-CM	ACCT 1413 General Accounting	PHIL 2543 Death and Dying
									HLTH 1412 Phlebotomy Techniques Practicum (Summer)	HLTH 1353 Basic CPT Coding	HLTH 1363 Insurance Procedures	HLTH 1404 Phlebotomy Techniques
<i>Total Hours for Assoc in Applied Science Degree = 61 hrs.</i>												
Yr 15												
Yr 16	Complete Baccalaureate Degree at four-year college in another Health program.											
								Recommended High School Academic Courses				
								Required Courses & Electives at KCC				
								Recommended HS CTE Courses (Career Center = Green)				
Popular colleges for recent KCC graduates include ONU, UIC, GSU, Rush and Mennonite.								DUAL CREDIT CLASSES ARE CAPITALIZED.				





# Medical Laboratory Technology

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occ.			
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occ.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1613 English I & ENGL 1623 English II	MATH 1814 College Algebra (or higher)	CHEM 1514 & CHEM 1524 General Chemistry I & II	PSYC 1813 Intro to Psychology		BIOL 1514 General Biology	MEDT 1114 Urinalysis and Body Fluids-online hybrid	MEDT 1415 Physiologic Systems-online hybrid		
							BIOL 2714 Microbiology (summer)	MEDT 1124 Hematology and Coagulation-online hybrid	MEDT 2124 Serology and Blood Banking-online hybrid	MEDT 2462 Medical Laboratory Technology Seminar online hybrid	MEDT 2316 Clinical Pract I-online hybrid
							Humanities Elective	MEDT 2044 Clinical Microbiology	MEDT 2214 Clinical Chemistry-online hybrid		MEDT 2326 Clinical Pract II-online hybrid
<i>Total Hours for Assoc in Applied Science Degree = 70 hrs.</i>											
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
A popular college for recent KCC graduates is Indiana U/Purdue U at Fort Wayne.								DUAL CREDIT CLASSES ARE CAPITALIZED.			

# Nursing Assistant (C.N.A.)

## Career Program of Study

This Health Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occ.			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occ.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
	Year 13			BIOL 1554 Human Biology or BIOL 2644 & BIOL 2654 Anatomy & Physiology I & II				PNUR 1438 Nursing Assistant			
	Yr 14	<i>Total Hours for Certificate = 12 hrs.</i>									
	Yr 15										
	Yr 16	Complete Associate Degree at KCC.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Nursing-Practical (LPN)

## Career Program of Study

This Health Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occ.			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occ.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13		Six Credit Hours in Communication Courses		BIOL 1554 Human Biology or BIOL 2644 & BIOL 2654 Anatomy & Physiology I & II				PNUR 1138 Practical Nursing	PNUR 1241 Practical Nursing Pharmacology I	PNUR 1140 Practical Nursing II	PNUR 1262 Practical Nursing Pharmacology II
								PNUR 1316 Practical Nursing III			
Yr 14	<i>Total Hours for Advanced Certificate = 37 hrs.</i>										
Yr 15											
Yr 16	Complete Associate Degree in Nursing at KCC.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center - Green)			
Popular colleges for recent KCC graduates include ONU, UIC, GSU, Rush and Mennonite.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Registered Nursing

## Career Program of Study

This Health Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occ.			
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occ.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
POSTSECONDARY	Year 13 and Year 14	ENGL 1613 English I		BIOL 2644 Anat & Phys I BIOL 2654 Anat & Phys II	SOCY 2513 Sociology			RNUR 1106 Intro to Nursing	RNUR 1129 Nurs-Adult/Child I	RNUR 1451 Nursing Seminar	RNUR 1461 Nursing Seminar II
						PSYCH 1813 Intro to Psychology	RNUR 2443 Concepts-Clinical Pharm. (Sum)				
		ENGL 1623 English II		BIOL 2714 Microbiology (Summer)	1 Elective or HLTH 1513 Nutrit. PHIL 2543 Dth/Dy.			RNUR 2119 Nursing-Adult/Child II	RNUR 2124 Nursing-Adult & Child III		RNUR 2451 Nursing Seminar III
		<b>Total Hours for Assoc. in Applied Science Degree = 69 hrs.</b>						RNUR 2137 Nursing-Adult/Child IV	RNUR 2461 Nursing Seminar IV		
	Yr 15										
	Yr 16	Complete Baccalaureate Degree at four-year college.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ONU, UIC, GSU, Rush and Mennonite.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Office Professional

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Administrative Support Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts				Bus. Tech. Concepts
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution		Info Proc. I		Bus. Tech. Concepts
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Graphic Design	Info Proc. II	ACCOUNTING I	Bus. Tech. Proc.
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Graphic Design	Info Proc. III	Acct. II	Bus. Tech. Proc.
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing OR ENGL 1613 English I	MATH 1213 or MATH 1414 Applied Arithmetic or Basic Algebra	BIOL 1554 Human Biology or PHED 1512 Health Education	PSYC 1813 Intro to psychology or	BSNS 1553 Introduction to Business	COSC 1181 Voice Recognition	ACCT 1413 General Accounting or ACCT 1514 Financial Accounting	BSNS 1312 Proofreading and Editing	ECON 1553 Principles of Macroeconomics	BSNS 1653 or BSNS 1663 Business Law or Legal and Soc Env of Bus
					PSYC 1013 Practical Psychology		COSC 1513 Intro to Inf Proc		COSC 1023 Intermediate Word	BSNS 2311 Successful Customer Serv	
							BSNS 1603 Business Communications		BSNS 1353 Administrative Office Procedures	COSC 1352 Word	
Yr 15		<i>Total Hours for Assoc in Applied Science Degree = 61 hrs.</i>					8-9 Credit Hours for Electives	COSC 1372 & 1382 Excel & Microsoft Office Suite Int	COSC 2033 Advanced Word	COSC 1341 PowerPoint	COSC 1362 Access
Yr 16	Complete Baccalaureate Degree in Business at four-year college.										
							Recommended High School Academic Courses				
							Required Courses & Electives at KCC				
							Recommended HS CTE Courses (Career Center = Green)				
Popular colleges for recent KCC graduates include ISU, NIU, UI OR GSU.							DUAL CREDIT CLASSES ARE CAPITALIZED.				



# Paralegal/Legal Assistant Studies

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Administrative Support Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution	Info. Proc. I			
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		Info. Proc. II	Acct. I		
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	Info. Proc. III	Acct. II		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
	Year 13	ENGL 1613 English I	6 Credit Hours in MATH		PLSC 1513 American Government		SPCH 1553 Introductory Speech	PLAS 1103 Intro to Paralegal/Legal Assistant Studies	COSC 1352 Word	PLAS 1213 Civil Litigation	BSNS 1603 Business Communication
	Year 14	ENGL 1623 English II			HUMS 1513 Introduction to Humanities		BSNS 1603 Business Communications	BSNS 1653 Business Law	PLAS 1123 Legal Research & Writing I		PLAS 1153 Law Office Management
						COSC 1372 Excel (Sum)		PLAS 1133 Legal Research Writing II	PLAS 2113 Legal Technology		COSC 1362 Access
		<i>Total Hours for Assoc in Applied Science Degree = 66 hrs.</i>						12 Credits- Paralegal/Legal Assist Electives	PLAS 2413 Paralegal Internship		
	Yr 15										
	Yr 16	Complete Baccalaureate Degree at four-year college.									
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include SIU, Robert Morris, Midstate, & Roosevelt U.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Paraprofessional Educator/Teacher's Aide

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Education & Training Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Early Child Ed.			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Early Child Ed.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing or ENGL 1613 English I 2 of 5 Comm	MATH 1414 Basic Algebra	10 Hours MATH & SCIENCE Courses	SOCY 2513 Sociology			CDEV 1513 Child Growth/Develop	EDUC 1763 Technology in Education	CDEV 2263 Heads Up! Reading	EDUC 2613 Educational Psychology
					PSYC 1813 Intro to Psychology			EDUC 1713 Intro to Public Education			
		ENGL 1623 OR BSNS 1603 2 of 5 Comm						EDUC 1833 Students with Disabilities	CDEV 2233 Language Acquisition & Dev		
	<i>Total Hours for Assoc in Applied Science Degree = 72 hrs.</i>							Humanities, Social and Behavioral Science, Science or Math course	12 Credit Hours of Paraprofessional Educator courses.		
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular colleges for recent KCC graduates include ISU, UI, ONU, & GSU.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Physical Therapist Assistant

## Career Program of Study

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I / Comp. Concepts Spanish I				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution Spanish II				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Health Occs.			
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Health Occs.			
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1613 English I	3 Credit Hours Elective from Comm, Hum, Math, Lab Science, or Social Science.	BIOL 2644 & BIOL 2654 Anatomy & Physiology I & II	PSYC 1813 Intro to psychology		PSCI 1514 Intro to Physical Science-Chem and Physics	PHTA 1101 Introduction to Healthcare	PHTA 1115 PTA Fundamentals I	PHTA 1224 Kinesiology	PHTA 1234 PTA Fundamentals II
		PHTA 2001 Prof Standards of the PTA						PHTA 2043 Pathology for the PTA	PHTA 2053 Clinical Practicum I	PHTA 2164 Orthopedics for the PTA	
		PHTA 2175 PTA Fundamentals III						PHTA 2185 PTA Fundamentals IV	PHTA 2293 PTA Fundamentals V	PHTA 2224 Clinical Practicum II	
<i>Total Hours for Assoc in Applied Science Degree = 71 hrs.</i>								PHTA 2234 Clinical Pract III	PHTA 2201 Issues in PT Prac		
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center - Green)			
A popular college for recent KCC graduates is SIUC.								DUAL CREDIT CLASSES ARE CAPITALIZED.			





# Radiography

## Career Program of Study

This Health Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Health Career Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts				
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.					
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>										
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.				
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
Year 13 and Year 14		ENGL 1413 Fundamentals of Writing or ENGL 1613 English I 2 of 5 Comm		BIOL 2644 & BIOL 2654 Anatomy & Physiology II	PSYC 1813 Intro to Psychology (Summer)		XRAY 1333 Clinical III (Summer)	XRAY 1014 Intro to Radiography	XRAY 1033 Radiologic Anatomy & Positioning I	XRAY 1213 Clinical Procedures I	XRAY 1316 Clinical I
								XRAY 1042 Radiographic Quality	XRAY 1053 Radiologic Anatomy & Positioning II	XRAY 1222 Clinical Procedures I	XRAY 1326 Clinical II
		ENGL 1623 OR SPCH 1553 2 of 5 Comm					XRAY 2312 Radiographic Pathology	XRAY 1346 Clinical IV	XRAY 2114 Adv Radiographic Tech I	XRAY 1356 Clinical V	XRAY 2125 Adv Radiograph Tech II
<b>Total Hours for Associate in Applied Science Degree = 72 hrs.</b>											
Yr 15											
Yr 16	Complete Baccalaureate Degree at four-year college.										
								Recommended High School Academic Courses			
								Required Courses & Electives at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
A popular college for recent KCC graduates is the University of St Francis.								DUAL CREDIT CLASSES ARE CAPITALIZED.			



# Welding

## Career Program of Study

This Career Pathway Plan of Study (based on the Production Pathway of the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Physical Education	Other Required Courses and Recommended Electives	Career and Technical Courses and/or Degree Major Courses for Manufacturing Production Pathway			
<i>Interest Inventory Administered and Program of Study Initiated for all Learners</i>											
SECONDARY	9	English IA or IG	Pre-Algebra II or Algebra I or Geometry	Biology IA or IG		P. E.	Key./Format I Comp. Concepts		Basic Ag Mech		
	10	English IIA or IIG	Algebra I or Geometry or Algebra II	Biology IIA or IIG	N/A or World History	P. E.	Health Dr. Ed/Constitution				
	11	English IIIA or IIIG	GCS or Algebra II or Pre-Calc	N/A or Chem Comm or Chemistry	U. S. History	P. E.		DACC Welding	Ag. Mech. Tech.		
<i>College Placement Assessments-Academic/Career Advisement Provided</i>											
	12	English IV or Sr. Comm.	N/A or Pre-Calc or AP Calc	N/A or Physics or Anatomy	N/A or Social Issues or Soc./Econ.	P. E.	Consumer Ed.	DACC Welding	Ag. Const. Tech.		
<i>Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>											
POSTSECONDARY	Year 13 and Year 14	ENGL 1413 Fundamentals of Writing	MATH 1123 Technical Mathematics II					ELTR 1064 Fundamentals of Electricity	MCHN 1214 Machine Tool I	MCHN 1224 Machine Tool II	WELD 1114 Basic Welding
				PSCI 1514 Intro to Physical Science	SOCY 2513 Sociology		BSNS 1603 Business Communications	DRFT 1154 Technical Drafting & Print Reading	WELD 1263 Metallurgy & Heat Treatment	WELD 2044 Pipe Welding	WELD 2124 Tungsten Inert Gas Welding
		<i>Total Hours for Assoc. in Applied Science Degree = 64 hrs.</i>						WELD Special problems	WELD 2224 Metallic Inert Gas		
	Yr 15										
Yr 16	Complete Baccalaureate Manufacturing Major (4-Year Degree Program)										
								Recommended High School Academic Courses			
								Required & Elective Courses at KCC			
								Recommended HS CTE Courses (Career Center = Green)			
Popular schools for recent KCC grads include WIU & Bradley University for Manufacturing Tech.								DUAL CREDIT CLASSES ARE CAPITALIZED			