PLD Business and Marketing Pathways					
	Accounting		nmerce	Management and Entrepreneurship	
	This pathway generally prepares individuals to practice the profession of accounting and to perform related business functions. Includes	This pathway focuse execution, transmis commercial messag	sion, and evaluation of	This pathway generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes	
	instruction in accounting principles and theory,	•	e and sell products, services,	instruction in management theory, human	
	financial accounting, managerial accounting,		it prepares individuals to	resources management and behavior,	
Description	cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting	and managers. Inclu	ing assistants, technicians, udes instruction in	accounting and other quantitative methods, purchasing and logistics, organization and	
Description	procedures, statement analysis, planning and	advertising theory,		production, marketing, and business decision-	
	consulting, business information systems,	advertising design a	nd production methods,	making.	
	accounting research methods, professional		and techniques, media		
	standards and ethics, and applications to specific for-profit, public, and non-profit		ed principles of Intro to Man), and applicable		
	organizations.	technical and equip	** **		
	Accounting	E-Commerce		Business Administration/Management	
Associated	Business Administration/Management	Business Administra	=	Business Economics	
College	Business Economics Finance	Management Inform Marketing	nation Systems	Entrepreneurial Studies Hospitality Administration/Management	
Majors	International Business	Sales and Distribution	on	Insurance Management	
	Management Information Systems	Web Development		Operations Management	
	Account Manager Investment Banker	Media Buyer	Website Designer	Insurance Agent Association Manager	
	Accountant Loan Officer Appraiser Auditor Money Manager	Retail Buyer Salesperson	Comm. Specialist Sales Representative	Insurance Claims Entrepreneur Adjuster Event Planner	
Related	Bank Teller Mortgage Broker	Web Developer	E-Business Consultant	Property Manager Hotel Manager	
Careers	Bookkeeper Statistician	Webmaster	Economic Dev. Officer	B&B Proprietor Volunteer Manager	
	Federal Agent Tax Preparer Forensic Accountant				
	Digital Literacy	Digital Literacy		Business & Marketing Essentials	
	Microsoft Office Specialist	Microsoft Office Sp	ecialist	Intro to Management	
Courses	Accounting & Finance Foundations Financial Management	Web Page Design Principles of Entrep	rangurchin	Principles of Entrepreneurship Business or Marketing Internship or Co-op	
	Adv. Accounting	rinciples of Littlep	reneursinp	Business of Marketing Internship of Co-op	
	CTE EOP Accounting	CTE EOP Marketing		CTE EOP Intro to Management (Bus Man)	
Certification	(ASK) - Concepts of Finance or (ASK)-	(ASK) – Fund. Marketing Concepts or (ASK)—		(ASK) – Fund. Business Concepts or (ASK)—	
Options	Fundamental Business Concepts <b>PLUS</b> MOS: Excel, Word, PowerPoint	Fund. Business Cond MOS: Excel, Word, F	•	Fund. Marketing Concepts	
	PLD Engineering Pathway	IVIOS. LACEI, VVOIG, I		ormation Technology Pathway	
	RED CENTER (Engineering Des	sign)		Computer Science	
	Dunbar created the RED Center (Research, Engine		The Computer Science Pathy	way courses focus on computer theory, computing	
			1		
	Center) for students interested in the various disc	iplines of	problems and solutions, and	design of computer systems and user-interfaces.	
	Center) for students interested in the various disc engineering technology. The sequence of courses	iplines of s will provide	problems and solutions, and The coursework will include	design of computer systems and user-interfaces. instruction in the principles of computational	
Description	Center) for students interested in the various disc	iplines of s will provide thinking skills and	problems and solutions, and The coursework will include	design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a	
Description	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical t understanding of engineering concepts. Students skills in conjunction with the multi-step engineering	iplines of s will provide thinking skills and then apply these ng design process to	problems and solutions, and The coursework will include science, computer developn	design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a	
Description	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical t understanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional	problems and solutions, and The coursework will include science, computer developn	design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a	
Description	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical t understanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid	problems and solutions, and The coursework will include science, computer developn	design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a	
Description	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical t understanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid	problems and solutions, and The coursework will include science, computer developn	design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a	
Description	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineeris solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-Architecture  Materials Engineering Materials	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid l-world problems.	problems and solutions, and The coursework will include science, computer developn variety of end use situations	I design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a s.	
	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineeris solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-Architecture Materials Engineering Materials Engineering Management Mechanical Engineering Management	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering	I design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a s.  Network Engineer Data Science	
Associated	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Industrial Engineering I	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid l-world problems.  gineering Engineering sintenance	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer	design of computer systems and user-interfaces. instruction in the principles of computational ment and programming and applications to a i.  Network Engineer Data Science Database Engineer	
Associated College	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineeris solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-Architecture Materials Engineering Materials Engineering Management Mechanical Engineering Management	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid l-world problems.  gineering Engineering sintenance	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering	I design of computer systems and user-interfaces. instruction in the principles of computational nent and programming and applications to a s.  Network Engineer Data Science	
Associated	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Mechanical Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electric	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid l-world problems.  gineering Engineering sintenance	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources	
Associated College	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Mechanical Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electric	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid I-world problems.  Igineering Engineering sintenance gineering	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development	
Associated College	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Mechanical Engineering Industrial MacComputer Engineering Electrical Engineering Computer Science Industrial De	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid I-world problems.  Is gineering the singular properties in the nance gineering the singular problems.	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer	
Associated College Majors	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Mechanical Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electric	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional tware, solid I-world problems.  Igineering Engineering sintenance gineering	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst	
Associated College	Center) for students interested in the various discengineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-worlding, and engineering animation to solve real-worlding, and engineering animation to solve real-worlding. Architecture Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Computer Science  Architect Industrial Decay Engineer Handling Decay Engineer Handling Decay Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer  Computer Software Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Network Specialis	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Systems and user-interfaces. Instruction in the principles of computer faces.  Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development  Output Developer Information Security Analyst Developer Computer Programmer	
Associated College Majors	Center) for students interested in the various discengineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-worlding, and engineering animation to solve real-worlding. Architecture Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Electrical Engineering Computer Science  Architect Industrial Decay Handling Decay Engineer Handling Decay Engineering Mechanical Engineering Modd Designer Mechanical Engineering Mechanical Engineering Modd Designer Mechanical Engineering	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer  Computer Software Enginee Database Developer Computer Hardware Engineer	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Systems and user-interfaces. Instruction in the principles of computer faces.  Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development  Output Developer Information Security Analyst Developer Computer Programmer	
Associated College Majors	Center) for students interested in the various discengineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-worlding, and engineering animation to solve real-worlding, and engineering animation to solve real-worlding. Architecture Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Computer Science  Architect Industrial Decay Engineer Handling Decay Engineer Handling Decay Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer  Computer Software Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Hardware Engineer Computer Network Specialis	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Systems and user-interfaces. Instruction in the principles of computer faces.  Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development  Output Developer Information Security Analyst Developer Computer Programmer	
Associated College Majors	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Architecture Materials Engineering Industrial Macconstruction Management Mechanical Engineering Industrial Maccomputer Engineering Electrical Engineering Computer Science  Architect Industrial Decay CAD Technician/ Drafter Mechanical Engineering Mold Designer Mechanical Engineering Mold Designer Mechanical Engineering Industriation Management  Engineering I	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Database Developer Computer Hardware Enginee Computer Network Specialis Computer Scientist	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer System Manager	
Associated College Majors Related Careers	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Materials Engineering animation to solve real-world problems. Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Engineering Materials Engineering Materials Engineering Engineering Mechanical Engineering Industrial Designer Mechanical Engineering Industrial Engineering Industria	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Database Developer Computer Hardware Enginee Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer System Manager	
Associated College Majors	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Materials Engineering animation to solve real-world problems. Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Electrical Engineering Engineering Materials Engineering Materials Engineering Industrial Decay Engineer Mechanical Engineering Industrial Engineering Indus	iplines of s will provide thinking skills and then apply these ng design process to two-dimensional ware, solid I-world problems.  gineering engineering sintenance gineering signer signer Engineer Tech Instructor	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Database Developer Computer Hardware Enginee Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi AP Computer Science A	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer System Manager	
Associated College Majors Related Careers	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Materials Engineering animation to solve real-world problems. Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Engineering Materials Engineering Materials Engineering Engineering Mechanical Engineering Industrial Designer Mechanical Engineering Industrial Engineering Industria	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid l-world problems.  gineering ingineering sintenance gineering free finger in the signer	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Database Developer Computer Hardware Enginee Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer System Manager	
Associated College Majors Related Careers	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real-world problems. Materials Engineering animation to solve real-world problems. Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Industrial Materials Engineering Electrical Engineering Electrical Engineering Electrical Engineering Engineering Mechanical Engineering Mod Designer Mechanical Engineering Industrial Engineering Capstone	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid l-world problems.  gineering ingineering sintenance gineering free finger in the signer	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Database Developer Computer Hardware Enginee Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi AP Computer Science A	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Programmer st IT Project Manager	
Associated College Majors  Related Careers  Courses	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real architecture Materials Engineering Industrial Macconstruction Management Mechanical Engineering Industrial Maccomputer Engineering Electrical Engineering Computer Science  Architect Industrial Description Mechanical Engineering Mechanical Engineering Engineering Mechanical Engineering Industrial Description Management Mechanical Engineering Industrial Description Management  Engineering I Engineering I Engineering I Engineering I Engineering Capstone Elective: AP Comp Sci Principles OR AP Comp	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid l-world problems.  gineering ingineering sintenance gineering free finger in the signer	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Computer Hardware Engine Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi AP Computer Science A Java Programming 2  CTE EOP Computer Program	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Programmer st IT Project Manager	
Associated College Majors  Related Careers  Courses	Center) for students interested in the various disc engineering technology. The sequence of courses students with the opportunity to develop critical tunderstanding of engineering concepts. Students skills in conjunction with the multi-step engineering solve real-world problems. Includes instruction in and/or three-dimensional engineering design soft modeling, and engineering animation to solve real architecture Materials Engineering Industrial Machanical Engineering Industrial Machanical Engineering Industrial Machanical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Computer Science  Architect Industrial Description Mechanical Engineering Mechanical Engineering Mechanical Engineering Industrial Description Management  Engineering I Engineering I Engineering I Engineering I Engineering Capstone Elective: AP Comp Sci Principles OR AP Comp Sci Pautodesk Inventor Certified User	iplines of swill provide thinking skills and then apply these ng design process to two-dimensional ware, solid l-world problems.  gineering ingineering sintenance gineering free finger in the signer	problems and solutions, and The coursework will include science, computer developm variety of end use situations  Computer Science Electrical Engineering Mechanical Engineer Aerospace Engineer Computer Engineering Web Design Software Engineer Computer Software Enginee Computer Hardware Engine Computer Network Specialis Computer Scientist  Digital Literacy AP Computer Science Princi AP Computer Science A Java Programming 2  CTE EOP Computer Program	Network Engineer Data Science Database Engineer System Analysis Sales and Marketing Human Resources Hardware development Web Developer Information Security Analyst er Computer Programmer st IT Project Manager	

	PLD F	amily & Consumer Sci	ence Pathways		
	Consumer & Family Services	•	ood Education	Hospitality, Travel, Tourism & Recreation	
	The Consumer and Family Management pathway helps students develop skills	The Early Childhood Ed address a skill set neces	ucation pathway will ssary for success in early	The Hospitality, Travel, Tourism & Recreation pathway prepares individuals to provide	
	associated with early career employment	childhood education so		services in the hospitality and leisure fields.	
	opportunities and rigorous education programs that prepare for this level of the career ladder.	teach students ranging	in age from infancy ade three), depending on	Includes instruction in hospitality operations, customer sales, marketing techniques, and	
Description	The knowledge and skills validated span across	the school system or state regulations. This		assistance operations and techniques, basic	
Description	a broad range of Family and Consumer Sciences		individuals preparing for	office management, retail sports, recreation	
	content areas and are central to career areas involving human services, consumer	careers related to early such as those associate		equipment and food and beverage services.	
	services/protection/advising, education and	teaching, community b			
	training as well as social and community	programs, social service	es or counseling for		
	services. Family & Consumer Sciences	child Care Managemen		Hospitality Administration/Management	
	Education	Child Care Managemen Education	ıı	Business Administration/Management	
Associated	Foods, Nutrition, and Wellness Studies	Human Development a	nd Family Studies	Culinary Arts	
College	Human Services Psychology	Psychology Special Education		Hotel and Motel Management	
Majors	Social Work	Special Education	International Business Parks, Recreation, and Leisure Stud	Parks, Recreation, and Leisure Studies	
				Professional Golf Management	
	Marriage and Family Therenist	Farly Childhood Educat		Tourism and Travel Management	
	Marriage and Family Therapist Family and Consumer Scientist	Early Childhood Educat Psychologist	UI	Airline Customer Service Agent Caterer	
Related	Gerontologist	Nanny		Event Planner	
Careers	Abuse/Crisis Counselor Personal Financial Planner	Pediatrician Midwife		Restaurant/Hotel Manager Tour Guide	
	Personal Financial Fianner	Child and Youth Worke	r	Travel Agent	
	Life Skill Essentials	Life Skill Essentials		Principles of Hospitality	
Courses	Foods & Nutrition	Parenting/Early Lifespa Child Development Ser		Foods & Nutrition Advanced Foods & Nutrition	
Courses	Money Skills for Math Parenting/Early Life Span Development	Child Development Ser		Principles of Entrepreneurship	
				Co-op/Internship: Hospitality	
Contification	CTE EOP Consumer & Family Services	CTE EOP Early Childhoo		(ASK) – Fundamental Marketing Concepts	
Certification Options	Commonwealth Childcare Care and Education Orien Pediatric Abusive Head Tr			ServSafe Food Managers	
·			·		
	Graphic Design	Media Art	s Pathways Cinemat	ography and Video Production	
	The Graphic Design pathway prepares students to apply skills that focus		The Cinematography and Video Production pathway prepares students		
	on the principles and techniques for effectively co	•	to communicate through media. The pathway includes video technology		
	ideas/information and packaging products to busi		and equipment operation, video production, video directing, video editing, video and audio technique, and multi-media production. The		
Description	_	audiences- both in digital and in other formats. Topics of study in this pathway include aesthetic meaning, appreciation and analysis;		pathway prepares students to function as staff, producers, directors, and	
Description	construction, development, processing, modeling, simulation and		managers of media programming and media organizations. Topics of		
	programming of interactive experiences; transmis	sion, distribution and	study in this pathway inc	lude writing and editing, media copyright,	
		sion, distribution and	study in this pathway inc	lude writing and editing, media copyright, publication of audio and moving images as well	
	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspe Digital Media	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting	lude writing and editing, media copyright, publication of audio and moving images as well	
Associated	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspe Digital Media Graphic Design	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark	lude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.	
Associated College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspe Digital Media	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications	lude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.	
	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspe Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design Fashion Design	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing	clude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)	
College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspe Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations	clude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)	
College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design Fashion Design Sign Graphics	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations	clude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)	
College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective of programming program	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person	elude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)	
College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective plainting of the programming	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew	elude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)	
College	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective of programming program	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person	elude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective.  Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design Fashion Design Sign Graphics Visual Communications  Advertising Account Executive Advertising Copywriter Art Director Film and Video Editor Graphic Designer Industrial/Product Designer	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor	elude writing and editing, media copyright, bublication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming programmin	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist	elude writing and editing, media copyright, publication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia  ality	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective.  Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design Fashion Design Sign Graphics Visual Communications  Advertising Account Executive Advertising Copywriter Art Director Film and Video Editor Graphic Designer Industrial/Product Designer	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor	elude writing and editing, media copyright, publication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia  ality	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming programmin	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist Public Relations Director	elude writing and editing, media copyright, publication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia  ality	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming programmin	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist Public Relations Director Social Media Producer Radio/TV Producer	elude writing and editing, media copyright, publication of audio and moving images as well eting of media products.  g, online, sports, radio and photo)  edia  ality	
College Majors	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective.  Digital Media Graphic Design Digital Video and Audio Mobile Application & Web Design Fashion Design Sign Graphics Visual Communications  Advertising Account Executive Advertising Copywriter Art Director Film and Video Editor Graphic Designer Industrial/Product Designer Marketing Manager Multimedia Artist Sign Maker Visual Merchandiser	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist Public Relations Director Social Media Producer Radio/TV Producer	elude writing and editing, media copyright, publication of audio and moving images as well enting of media products.  g, online, sports, radio and photo)  edia  ality  tals  formance	
College Majors  Related Careers	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming programmin	sion, distribution and	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist Public Relations Director Social Media Producer Radio/TV Producer Video Studio Fundamen Studio Directing and Per Advanced Studio Produce Media Arts Internship	tals formance tition  tition	
College Majors  Related Careers	programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming of interactive experiences; transmis marketing; contextual, cultural and historical aspective programming programmin	ision, distribution and ects and considerations.	study in this pathway inc multimedia editing and p as distribution and mark Journalism (broadcasting Communications Marketing Public Relations Animation and Digital M  Broadcast Producer Broadcast On-Air Person Film and TV Crew Film and TV Editor Online Media Editor Podcast Editor Photojournalist Public Relations Director Social Media Producer Radio/TV Producer Video Studio Fundamen Studio Directing and Per Advanced Studio Produc Media Arts Internship CTE EOP Cinematograph	tals formance tition  tition	

# **Eastside Technical Center Pathways**

Eastside Technical Center's mission is to prepare students for entry level technical occupations, two-year community colleges, two-year technical colleges and four-year universities. They serve students from all public high schools in Fayette, Jessamine, Scott, and Woodford Counties with career and technical offerings in automotive and transportation technology, cinematography and video/studio production, digital design & game development, fire & emergency services, law enforcement, and homeland security. Please note that the courses and certifications listed below are suggested by the Kentucky Department of Education; course offerings and certifications may differ.

certifications may differ.				
	Digital Design & Game Development	Cinematography & Video Production	Automotive Technology	
Description	The Digital Design and Game Development pathway courses provide students with a thorough understanding of techniques for designing advanced 3D games and simulations. The courses will cover 2D and 3D graphics, animation, character development, texturing, scripting, program design and coding, and game setup using state-of-the-art software development tools. Completing students will have developed the skills necessary to create 3D graphics and applications that can be used for games and simulations.	The Cinematography and Video Production pathway prepares students to communicate dramatic information, ideas, moods, and feelings through the making and producing of videos and cinematographic expression. The pathway includes the theory of video, video technology and equipment operation, video production, video directing, video editing, cinematographic art, video and audio technique, and multi-media production. The pathway prepares students to function as staff, producers, directors, and managers of media programming and media organizations.	Students become knowledgeable in the various systems of automotive to develop skills in troubleshooting. Performing preventive maintenance, and servicing and repairing automobiles. Areas of study are to ASE and industry specifications and include engines, electrical & electronic, brake systems, and steering & suspension.	
Related Careers	IT Project Manager Webmaster Computer Animator Web Developer Game Design Analyst Cartoonist Website Designer Game Designer	Advertising Copywriter Audio-Visual Technician Broadcast Technician Director of Photography Radio/TV Program Director Film and TV Crew  Director Director Director Camera Operator	Automotive Engineer Service Manager Mechanical Engineering Tech Engineer	
Courses	Game Design and Development Principles Introduction to Digital Game Graphics Adv. 3D Game Development Adv. Game Development and Publishing Introduction to Programming Computational Thinking IT Co-op or Internship	Introduction to Media Arts Video Studio Fundamentals Studio Directing and Performance Advanced Studio Production (Moving Images) Media Arts Co-op or Internship Media Arts Internship	Automotive Maintenance and Light Repair Lab Engine Repair Lab Climate Control Lab Automotive Transmission/Transaxle Lab Manual Drivetrains and Axles Lab Automotive Internship Precision Measurement Shop Management	
Certification Options	CTE EOP Digital Design & Game Development CompTIA IT Fundamentals Microsoft Tech. Associate (multiple options) Adobe Certified Associate (multiple options) Autodesk (multiple options) Unity Certified Developer	CTE EOP Cinematography & Video Production Adobe Certified Associate (multiple options) Apple Certified Professional Final Cut	ASE Student Certification (multiple options) REC Foundation Pre-Engineering Certification	
	Collision Repair Technology	Diesel Technology	NEW! Aeronautics and Aerospace	
Description	From repairing small dents to rebuilding the bodies of wrecked or damaged vehicles, this program meets National Institute for Automotive Service Excellence (ASE) and current industry specifications and standards. Students are taught the types of materials used in filler compounds, the colors and chemical make-up of paints, design and installation of trim, cost estimation and preparation for finish work.	Students in diesel technology learn to repair and maintain heavy trucks, heavy equipment and diesel engines. Students develop skills in troubleshooting, preventative maintenance, repair and servicing of all vehicles and equipment that utilizes diesel power. Instruction is focused on preparing students for postsecondary opportunities or career placement within this high-tech, high-demand career field.	This pathway prepares individuals to apply technical knowledge into the first phase of aviation training leading to a commercial pilot license as well as the skills need to repair, service and maintain all aircraft and their components.  Some of the areas studied include navigation of commercial and passenger aircraft, flight systems and controls, flight crew operations and procedures, and safety and traffic regulations. Students will also study how to repair/service and	
Related Careers	Autobody Repairer Cost Estimator Automotive Painter Warranty Clerk Auto Detailer Service Manager Automobile Recycler Adjuster Automobile Salesperson Appraiser	Diesel Technician Service Manager Customer Service Rep Truck Driver Diesel Salesperson Dispatcher Transportation Inspector Warranty Clerk	maintain aircraft engines, propellers, avionic instruments, layout and fabrication of sheet metal, fabric, parts, cables and hydraulic units.  To satisfy FAA requirements, students must log	
Courses	Painting and Refinishing Lab Damage, Analysis, Estimating, and Customers Painting and Refinishing Intro to Collision Repair Industrial Safety Personal Financial Management Collision Repair Internship	Brakes (Diesel) Lab Basic Automotive Electricity Lab Special Problems I (Diesel) Electrical Systems for Diesel Lab Mechanical Concepts Preventative Maintenance Lab Intro to Diesel Engines Lab	hours and work with approved FAA rated Airframe and Powerplant Technicians or Inspection Aurthorized persons.	
Certification	Special Projects III Collision Repair  ASE Student Certification (multiple options)	Diesel Engine and Repair Lab Steering & Suspension (Diesel)  ASE Student Certification (multiple options)		

### Eastside Technical Center Pathways, continued

Eastside Technical Center's mission is to prepare students for entry level technical occupations, two-year community colleges, two-year technical colleges and four-year universities. They serve students from all public high schools in Fayette, Jessamine, Scott, and Woodford Counties with career and technical offerings in automotive and transportation technology, cinematography and video/studio production, digital design & game development, fire & emergency services, law enforcement, and homeland security. Please note that the courses and certifications listed below are suggested by the Kentucky Department of Education; course offerings and certifications may differ.

certifications n	Law Enforcement Services	Fire and Francisco Madical Comisses
Description	Law Enforcement Services  Law Enforcement Services prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation, communicating with the public, and other routine law enforcement responsibilities.	Fire and Emergency Medical Services  This pathway is intended to prepare students to enter post-secondary programs that will lead to a career in public service as a firefighter and emergency management technician. Course work includes physical training, introduction to firefighting equipment and use, fire behavior and combustion, fire investigation, fire protection system, and fire prevention.
Related Careers	Correctional Officer Crime Scene Investigator Criminologist Detective Police Officer Private Investigator Probation/Parole Officer Security Guard	Firefighter Fire Investigator Forest Firefighter
Courses	Introduction to Criminal Justice Law Enforcement Health and Well-Being for Law Enforcement Criminal Investigation Correctional Systems Basic Telecommunications Basic Security Services Introduction to Homeland Security Terrorism and Counterterrorism Operations Emergency Management	Introduction to Fire Service Firefighters Basic Skills I, II, and III Firefighters Intermediate Skills I and II Company Officer Development Special Topics in Fire Science Firefighting Advanced Skills I and II Co-Op (Fire Service/EMT) Internship (Fire Service/EMT)
Certification Options	National Academies of Emergency Dispatch (NAED) NOCTI—Criminal Justice—Advanced FEMA Certification Series First Responder State Certification	EMT—Basic National Certification First Responder State Certification Candidate Physical Ability Test (CPAT) National Academies of Emergency Dispatch (NAED) Kentucky Certified Firefighter FEMA Certification Series

Southside Technical Center Pathways

Southside offers technical training to high school students enrolled in the Fayette, Jessamine, Scott and Woodford County public school systems. Students spend half of their school day at their home school and the other half at Southside and can earn up to four elective credits in each program area per school year. After completing one year, students may enroll in a technical center program for a second year of advanced training. Programs include carpentry construction, electrical technology, electronics technology, advanced manufacturing, welding, culinary arts, pre-nursing and medical sciences.

Description	Advanced Integrated Manufacturing Advanced Career's STEM curriculum Integrated Production Technologies - engages students in using innovative industry driven technologies to imagine and design new and improved products. Great entry-level jobs leading to challenging, high paying careers are available across the nation for students who have the academic and technical knowledge and skill sets to succeed. Students also need creativity and problem-solving abilities to coordinate information and analyze data.	Carpentry  Throughout the ages, skilled carpenters have always been in demand, and today the construction industry continues to seek, employ, and reward skilled Carpenters in the residential, commercial, and remodeling sectors. The Southside Carpentry program offers courses that will provide the hands-on experience needed to qualify students for a successful career in the construction industry.	Individuals trained as Electronics Engineering Technicians work with engineers and scientists to design, build, and maintain electrical and electronic equipment ranging from TV and radio to radar, sonar, and industrial and medical electronic measuring. Our curriculum includes electrical/electronics theory, reading electrical and electronic diagrams and schematics, the study of circuits, the use of electronic test equipment, and the diagnosis and repair of products that contain transistors, printed circuits, and integrated circuits. Students will also study home, auto, and industry security systems complete with installations.
Related Careers	Industrial Engineer Manufacturing Manager Manufacturing Worker Electronics Assembler Industrial Technician Quality Controller Woodworker	Carpenter Construction Manager Construction Laborer Tradesperson Cost Estimator	Electrical Engineer Electrical Engineering Tech Electrician
Courses	Adv. Technology for Design and Production Systems of Advanced Technology Mechatronic Systems for Adv. Production Production Technology	Introduction to Construction Ceiling and Roof Framing Floor and Wall Framing Site Layout and Foundation Interior and Exterior Finish Special Topics (Construction Carpentry)	Circuits I Circuits II Digital Electronics I Digital Electronics II
Certification Options	CTE EOP Engineering & Technology CTE EOP Manufacturing NOCTI CAD 1 Certificate Autodesk Certified User (multiple options) Certified Solid Works Associate MSSC Certified Production Technician MasterCAM CNC Certification	CTE EOP Construction NCCER (multiple options) TRACK Pre-apprentice Certification	CTE EOP Construction CCER (multiple options) REC Foundation Cert. (multiple options)
	REC Foundation Cert. (multiple options)		
Description	Electrical Technology  Although today there are many definitions for the word "wired," skilled electricians will tell you that their world has been 'wired' for many generations, that their skills are in high demand, and that they are well paid for their professional services. Our varied courses in electricity will allow you to study and practice residential wiring, industrial electricity, and programmable logic controllers (PLCs). You'll learn how to install wiring and conduit, service motors,	Welding  Welding is the most common method of joining metal parts in vehicles, appliances, furniture, buildings, highways, bridges and more. Some say it is an art; others say it is a craft. Our program provides opportunities to master welding strategies including Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Metal Inert Gas (MIG) and Tungsten Inert Gas (TIG) processes.	Culinary Arts*  Our comprehensive program is popular with both male and female students, and our courses cover cooking methods and techniques, from basic to advanced. Our partnering with Sullivan University's high-profile culinary division allows our students to earn both high school and college credits for successful completion of the certification requirements.
Description  Related Careers	Electrical Technology  Although today there are many definitions for the word "wired," skilled electricians will tell you that their world has been 'wired' for many generations, that their skills are in high demand, and that they are well paid for their professional services. Our varied courses in electricity will allow you to study and practice residential wiring, industrial electricity, and programmable logic controllers (PLCs). You'll learn how to	Welding is the most common method of joining metal parts in vehicles, appliances, furniture, buildings, highways, bridges and more. Some say it is an art; others say it is a craft. Our program provides opportunities to master welding strategies including Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Metal Inert Gas (MIG) and Tungsten Inert Gas (TIG) processes.  Combination Welder Pipe Welder Welding Inspector (CWI) Ironworker Welding Educator (CWE) TIG Welder Welding Engineer Structural Engineer	Our comprehensive program is popular with both male and female students, and our courses cover cooking methods and techniques, from basic to advanced. Our partnering with Sullivan University's high-profile culinary division allows our students to earn both high school and college credits for successful completion of the certification
Related	Electrical Technology  Although today there are many definitions for the word "wired," skilled electricians will tell you that their world has been 'wired' for many generations, that their skills are in high demand, and that they are well paid for their professional services. Our varied courses in electricity will allow you to study and practice residential wiring, industrial electricity, and programmable logic controllers (PLCs). You'll learn how to install wiring and conduit, service motors, and much more.  Electrical Engineer Electrical Engineer Construction Laborer Construction Manager Tradesperson	Welding is the most common method of joining metal parts in vehicles, appliances, furniture, buildings, highways, bridges and more. Some say it is an art; others say it is a craft. Our program provides opportunities to master welding strategies including Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Metal Inert Gas (MIG) and Tungsten Inert Gas (TIG) processes.  Combination Welder Pipe Welder Welding Inspector (CWI) Ironworker Welding Educator (CWE) TIG Welder Welding Engineer	Our comprehensive program is popular with both male and female students, and our courses cover cooking methods and techniques, from basic to advanced. Our partnering with Sullivan University's high-profile culinary division allows our students to earn both high school and college credits for successful completion of the certification requirements.  Chef/Cook Baker Entrepreneur Food Inspector

## Southside Technical Center Pathways, continued

Southside offers technical training to high school students enrolled in the Fayette, Jessamine, Scott and Woodford County public school systems. Students spend half of their school day at their home school and the other half at Southside and can earn up to four elective credits in each program area per school year. After completing one year, students may enroll in a technical center program for a second year of advanced training. Programs include carpentry construction, electrical technology, electronics technology, advanced manufacturing, welding, culinary arts, pre-nursing and medical sciences.

#### **Health Science Pathways**

Students Enrolled in the Health Sciences Program must have a 2.5 G.P.A. or higher and to remain in the program they must pass all of the health science courses offered with a C or better. In addition, students must provide immunization certificates and vaccinations verifications to the school; 3 Hepatitis B, 2 MMR, 2 Varicella or positive varicella titer, 1 TDAP, Current TB Skin Test (2 Step for MNA course), be legally eligible to work (MNA Course), and to certify as an SRNA they must maintain a 70% average on their exams (MNA course). Students are also recommended to take Advanced Anatomy at their home school.

7070 average o	Medical Sciences	Pre-Nursing
Description	Housed in a high-tech computer lab, our broad-based Medical Sciences program is designed to develop and enhance an understanding of the roles and responsibilities of each health career major area. The courses introduce students to medical concepts that are relevant to all health care careers, such as infection control, communication, legal and bioethical issues, and anatomy & physiology. Upon successful completion of this courses, the student will be able to focus on a career major path and make informed decisions regarding choices for continuing education and/or employment. This program is an advanced training program that includes a practicum at local healthcare facilities. Therefore, it requires two full class periods, so the academic course requirements must be satisfied at your home school.	Millions of aging 'baby boomers' are requiring more health care services. The demand for trained professionals in this field is not only constant, but is escalating. State Registered Nurse Aides (SRNA) are being hired by hospitals, physicians' offices, nursing homes and clinics. Our nurse aide course is consistent with the Kentucky Medicaid Nurse Aide curriculum and offers professional instruction in the classroom, lab, and clinical areas. Students are prepared to take the state certification exam, become a SRNA, and obtain employment at the entry level of the nursing profession.
Related Careers	Diagnostic Medical Sonographer Medical Assistant Medical Lab Tech Nurse Radiologist	Licensed Practical Nurse Nurse Nurse Practitioner Nursing Assistant Physician's Assistant Doctor
Courses	Emergency Procedures Body Structures and Functions Medical Terminology Principles of Health Science Medical Laboratory Aide (Phlebotomist) EKG Technician Phlebotomist Pharmacy Technician	Medicaid Nurse Aid Medical Math Special Topics in Allied Health Coop Learning I
Certification Options	CTE EOP Allied Health  NOCTI Health Care Core  Certified EKG Technician  Certified Phlebotomy Technician  Certified Pharmacy Technician	CTE EOP Allied Health NOCTI Health Care Core State Registered Nursing Assistant (SRNA) Medicaid Nurse Aide (MNA)

#### **Locust Trace AgriScience Center Pathways**

Locust Trace AgriScience Center is the newest career and technical high school in Lexington, Kentucky with energy and environment being key factors in the facility design and agriculture being the educational focus. In addition to classroom space, Locust Trace AgriScience Center has an 82-acre working farm, a veterinary clinic (open for public use), an equine barn with show arena, a livestock barn, and community gardens. All courses discuss career options within agriculture. Students study in one of four pathways with Animal Sciences including a Generalist, Equine and Pre-Veterinary Options. Beginning Fall 2020, all courses at Locust Trace will be STUDENT FOCUSED and PROJECT BASED. Students will guide their own learning through the facilitation of Locust Trace's team of instructors. Students pursuing Locust Trace's program must be prepared to work both independently and as a member of a team. Students will learn how to monitor their own progress set their own goals and are entirely in charge of their own learning based upon their interests and career plans. As seniors, students will be prepared to find employment and/or internships in their area of specialization to prepare for college and career upon graduation. Students should begin taking agriculture classes NO LATER than their sophomore year in order to complete their program.

their sophomo	re year in order to complete their program.		
	Agribusiness Systems	Ag Power, Structural, Technical Systems	Animal Science Systems : Generalist
	This pathway prepares individuals for a variety	This pathway is built on the application of	This pathway encompasses all of our animal
	of careers in agribusiness. Students will learn	concepts in engineering, hydraulics,	science courses including the Veterinary
	and apply skills such as finance, management,	pneumatics, electronics, power, structures,	Assisting, Equine, Large Animal and Pre-
	marketing strategies, business principles,	and controls to the field of agriculture.	Veterinary options. Students will learn breed
Description	inventory control, communication skills, and	Students design agricultural structures as well	specific information and skills for both small
Description	personnel management applicable to the	as machinery and equipment, while utilizing	and large animals. Students will learn the
	agriculture industry. The Agribusiness systems	safe practices of operation and maintenance.	basics of genetics, nutrition, reproduction,
	focus at Locust Trace is primarily on the Equine		growth and development of animals as well as
	Industry, but other opportunities are available		safe handling and responsible ownership.
	based upon student interest.		
	Farm Manager	Agricultural Engineer	Zoologist
	Pet Store Manager	Welder	Marine Biologist
	Agricultural Real Estate Agent	Farm Fencing/Construction Contractor	Livestock Farmer
Related	Farm Equipment Sales Manager	Agricultural Irrigation Sales and Installation	Feedlot Manager
Careers	Tack Shop Owner	Industrial Maintenance Technician	Herpetologist
Carcers	Jockey Agent	Heavy Equipment Technician	Aquaculture Farmer
	Farm Marketing Specialist	Farm Equipment Technician	A.I. Technician/Animal Geneticist
	Agritourism Promoter and Developer	Small Engine Mechanic	Livestock Nutritionist
	Principles of Agriscience and Technology	Principles of Agriscience and Technology	
			Principles of Agriscience and Technology
	Agricultura Communications	Agriculture Construction Skills	Agriscience
Courses	Agriculture Communications	Agriculture Construction Skills	Animal Science
Courses	Agribusiness/Farm Management	Small Power Equipment	Equine Science
	Agriculture Sales and Marketing	Agriculture Power and Machinery Operation	Veterinary Science
	Agriculture Employability Skills	Agriculture Structures and Designs	Aquaculture
	Greenhouse Technology	Agribusiness/Farm Management	Agribusiness/Farm Management
	CTE EOP Exam for Agribusiness Systems	CTE EOP Ag Power, Structural, Tech Systems	CTE EOP Exam for Animal Science
Certification		iCEV – Equipment and Engine Training Council	iCEV—Elanco Fundamentals of Animal Science
Options		Principles of Small Engine Technology	iCEV – Elanco Veterinary Medical Applications
·		AWS – Sense Certification (level 1) for Welding	
	Animal Science System: Equine Emphasis	Animal Science: Pre-Veterinary Emphasis	Horticulture and Plant Sciences
	Through the equestrian program, students	The Pre-Veterinary program will prepare	This pathway has everything you ever wanted
	learn the basics of handling, grooming and	students to work with small animals in a	to know about plants including the scientific
	barn care for horses. You will learn how to	clinical setting. Students will learn basic animal	principles that underlie the breeding,
	identify disease vectors and monitor horses for	handling skills that can be a stepping-stone	cultivation, and production of agricultural
	health issues as well as how to train a horse for	into their pursuit of a Pre-Veterinary program	plants, and the production, processing and
	basic tasks. This is not a riding program;	in college. This program can also be a way to	distribution of agricultural plant products.
Description	however, in retraining a horse, riding may be	develop small animal skills to prepare for a	Students learn a wide variety of applications
	required. In addition to basic horsemanship,	career in other areas such as boarding,	including large and small production,
	you will learn about all facets of the industry	grooming, and training of small animals that	marketing and sales of plant products, soil
	and what it takes to go straight to work or be	students can begin right out of high school.	development and land evaluation and use.
	prepared for a two or four-year degree in	Stadents can begin right out of high school.	acversprinent and land evaluation and use.
	Equine Science		
	Equine Assisted Therapist	Veterinary Assisting	Sports Turf Manager
	Horse Farm Barn Manager	Veterinary Assisting Veterinary Technologist	Agronomist
	Farrier	, ,	Arborist
Related		Wildlife Rehabilitator	
	Equine Dental Technician	Large and Small Animal Veterinarian	Hemp Farmer
Careers	Bloodstock Agent	Kennel Owner / Manager	Floral Designer
	Mounted Police Officer	Animal Groomer / Trainer	Landscape Architect
	Riding Instructor	Veterinary Pharmaceutical Sales Manager	Nursery/Greenhouse Grower
	Racing Steward	Veterinary Practice Manager	Environmental Scientist
	Principles of Agriscience and Technology	Principles of Agriscience and Technology	Principles of Agriscience and Technology
	Agriscience	Agriscience	Agriscience
	Equine Science	Animal Science	Intro to Greenhouse and Crop Production
Courses	Agriculture Employability Skills (Equine Level 2)	Small Animal Technology (Vet Assisting 1)	Floriculture/Floral Design
	Agriculture Sales & Marketing (Equine Level 3)	Animal Technology (Vet Assisting 2)	Landscaping/Turf Management
	Animal Science	Equine Science	Greenhouse Technology
	Veterinary Science	Veterinary Science	Agribusiness/Farm Management
	CTE EOP Exam for Animal Science	NAVTA—Veterinary Assisting Certification	CTE EOP Exam for Horticulture
Certification	iCEV—Elanco Fundamentals of Animal Science	CTE End Of Program Exam for Animal Science	iCEV—Bayer Crop and Plant Science
Options	iCEV – Elanco Veterinary Medical Applications	iCEV—Elanco Fundamentals of Animal Science	KY Dept. of Agriculture Pesticide Operator
	,		
		iCEV – Elanco Veterinary Medical Applications	Certification – Agricultural Pests 1A