



Perryville High School
Agriculture, Food & Natural Resources
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities	Ag. Science I (1)	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed	Ag. Science II (1) Ag. Mechanics (1) Small Animals (1) Livestock Production & Marketing(1)	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1	Nutrition/World Nut & Wellness	Horticulture (1) Ag. Science II (1) Landscaping & Turfgrass Manage (1) Ag. Structures (1) Ag. Mechanics (1) Crop Production & Marketing (1) Livestock Prod. & Market. (1) Natural Resources Manage (1) Welding Technology I (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Horticulture (1) Ag. Science II (1) Ag. Mechanics (1) Ag. Structures (1) Natural Resources Manage (1) Landscaping & Turfgrass Manage (1) Ag. Sales & Marketing (1) Food Science & Tech (1) Supervised Ag Exp. Coop 1&2 (1 to 2) Welding Technology I (3) Welding Technology II (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Career Cluster Program of Study Template

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org					
Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Community College www.otc.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Columbia Area Career Center www.career-center.org Davis Hart Career Center www.mexicoschools.net Eldon Career Center www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Kirksville Area Tech Center www.kirksville.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Ranken Tech College www.ranken.edu Waynesville Technical Academy www.waynesville.k12.mo.us	A.T. Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu MO Univ of Science & Technology www.mst.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbu.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsu.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Petropolis Academy of Grooming & Training - www.petropolisacademy.com Midwest Institute www.midwestinstitute.com
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Animal Caretakers Animal Trainers Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalars Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators		Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians	Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists	Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists	



The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Sample Career Specialties / Occupations	Agricultural Sales • Agricultural Communications Specialists • Agricultural Educators • Food Scientists • Meat Processors-Toxicologists • Biochemists-Nutritionists-Dieticians • Food Brokers-Food Inspectors • Meat Cutters-Meat Graders • Meat Science Researchers • Food Meal Supervisors • Cheese Makers • Microbiologists • Produce Buyers • Bacteriologists • Food & Drug Inspectors • Bioengineers • Biochemists • Food & Fiber Engineers • Food Processors • Storage Supervisors • Fieldman • Quality Control Specialists	Bioinformatics Specialists • Plant Breeders and Geneticists • Biotechnology Lab Technician • Soil & Water Specialists • Crop Farm Managers • Agricultural Educators • Plant Pathologists • Aquaculturalists • Sales Representatives • Botanists • Tree Surgeons • Education & Extension Specialists • Agricultural Journalists • Commodity Marketing Specialists • Grain Operations Superintendents • Custom Hay/Silage Operators • Forest Geneticists • Golf Course Superintendents • Greenhouse Managers • Growers • Farmers • Ranchers	Agricultural Educators • Livestock producers • AI Technicians-Aquaculturalists • Animal Caretakers-Poultry Managers • Equine Managers-Veterinarians • Veterinary Assistants-Feedlot Specialists • Animal Scientists • Embryo Technologists • Livestock Buyers • Feed Sales Representatives • Vivarian Technicians • Wildlife Biologists • Livestock Geneticists • Animal Nutritionists • Dairy Producers • Livestock Inspectors • Feed Sales Specialists • Animal Health Salespersons • Meat Science Researcher • Reproductive Physiologists • Embryo Transfer Technicians • Pet Shop Operators • USDA Inspectors	Machine Operators • Electronics Systems Technicians • Agricultural Engineers • Agricultural Extension Engineering Specialists • Heavy Equipment Maintenance Technicians • Recycling Technicians • Waste Water Treatment Plant Operators • Equipment/Parts Managers • Welders • Machinists • Communication Technicians • Agricultural Applications Software Developers/Programmers • Database Administrators • Computer Service Technicians • Information Lab Specialists • GPS Technicians • Remote Sensing Specialist • Agricultural Educator	Cartographers • Wildlife Managers • Range Technicians • Ecologists • Park Managers • Environmental Interpreters • Fish and Game Officers Loggers • Forest Technicians • Log Graders • Pulp and Paper Manager Soil Geology Technician • Geologists • Mining Engineers Fisheries Technicians • Water Monitoring Technician • Hydrologists • Fish Hatchery Manager Commercial Fishermen • Fishing Vessel Operators • Vessel Crew • Agricultural Educator	Pollution Prevention and Control Managers • Pollution Prevention and Control Technicians • Environmental Sampling and Analysis Scientists/Technicians • Health and Safety Sanitarians • Environmental Compliance Assurance Managers • Hazardous Materials Handlers • Hazardous Materials Technicians / Managers • Water Environment Managers • Water Quality Managers • Waste Water Managers • Toxicologists • Solid Waste Disposers / Recyclers • Solid Waste Technician • Solid Waste Managers • Solid Waste Specialists • Agricultural Educator	Salesperson • Sales Manager • Banker/Loan Officer • Field Representative for Bank, Insurance Company or Government Program • Farm Investment Manager • Agricultural Commodity Broker • Agricultural Economist • Farmer /Rancher/Feedlot Operator • Farm Manager • Livestock Rancher / Breeder • Dairy Herd Supervisor (DHIA) • Agricultural Products Buyer • Animal Health Products Distributor • Livestock Seller • Feed and Supply Store Manager • Produce Commission Agent • Ag Lenders • Agricultural Chemical Dealer • Field Service Representative • Chemical Sales Representative • Agricultural Educator
Pathways	Food Products and Processing Systems (Food Processing and preserving, Packaging, Distribution, Government monitoring & regulation)	Plant Systems (Agronomic, Horticulture, Forestry, Turf, Viticulture, Soils, etc.)	Animal Systems (Large animals, small animals, wildlife animals, and research animals)	Power, Structural & Technical Systems (Power, Structures, Controls, Geospatial Technology, Computer Systems, Electronics, Hydraulics, Pneumatics, etc.)	Natural Resources Systems (Habitat Conservation, Forest Products, Parks and Recreation, Mining, Environmental Services, Fisheries, Soil Conservation, etc.)	Environmental Service Systems (Pollution Prevention, Water & Air Quality, Hazardous Materials, Solid Waste Management, Health & Safety Sanitation, etc.)	Agribusiness Systems (Sales, Service, Farm and Ranch Management, Entrepreneurship, Economics, etc.)
Cluster K&S	Cluster Knowledge and Skills ♦ Premier Leadership ♦ Personal Growth ♦ Career Success ♦ Organizations and Associations ♦ Organizational structures and processes ♦ Safety, Health, and Environmental Management ♦ Health and safety procedures ♦ Tools, equipment, machinery and technology ♦ Issues ♦ Technology and globalization ♦ Scientific Inquiry						



2008-2009

Revised 12/2012



Perryville High School
Architecture & Construction
Career Cluster Program of Study
www.perryville.k12.mo.us

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	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed Computer Applications Drawing		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/> Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: <hr/>
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Construction Technology I (3) Industrial Technology I (3) Welding Technology I (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/>
	12	English 4 Or College Writing Or Public Spkg/Col Lit	Algebra 3/Trig Or Calculus				Construction Technology I (3) Construction Technology II (3) Industrial Technology I (3) Industrial Technology II (3) Welding Technology I (3) Welding Technology II (3)	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: <hr/>

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu	Arcadia Valley Tech Center - www.mineralarea.edu	Avila University - www.avila.edu	MO University of Science & Technology www.mst.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training
	East Central College www.eastcentral.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Baptist Bible College - www.baptist.edu	Missouri Western State University www.missouriwestern.edu	
	Jefferson College www.jeffco.edu	Clinton Tech School www.clinton.k12.mo.us	Bryan College - www.bryancollege.com	Park University - www.park.edu	
	Linn State Technical College www.linnstate.edu	Columbia Area Career Ctr - www.career-center.org	Central Methodist University www.centralmethodist.edu	Rockhurst University www.rockhurst.edu	Foley-Belsaw Institute www.foley-belsaw.com
	Metropolitan Community College www.mcckc.edu	Davis Hart Career Ctr- www.mexicoschools.net	College of the Ozarks - www.coto.edu	Saint Louis University www.imagine.stu.edu	Colorado Technical University www.coloradotech.com
	Mineral Area College www.mineralarea.edu	Eldon Career Ctr - www.eldoncareercenter.org	Columbia College - www.ccis.edu	Sanford-Brown College www.sanford-browncollege.com	DeVry University www.drury.edu
	Moberly Area Comm College www.macc.edu	Franklin Technology- MSSU www.ftcjoplin.com	Culver-Stockton College - www.culver.edu	Southeast MO State University www.semo.edu	Grantham University www.grantham.edu
	North Central Missouri College www.ncmissouri.edu	Gibson Tech Ctr - www.wolves.k12.mo.us/gtc	Drury University - www.drury.edu	Southwest Baptist Univ - www.sbu.edu	ITT Technical Institute www.itt-tech.edu
	Ozarks Technical Comm College www.otc.edu	Grand River Technical School - www.grts.org	Evangel University - www.evangel.edu	Stephens College - www.stephens.edu	Truman State Univ - www.truman.edu
	St Louis Community College www.stlcc.edu	Hannibal Career and Technical Center www.hannibal.tec.mo.us	Everest College www.everest-college.edu	Univ of Central MO - www.ucmo.edu	Univ of MO – Columbia - www.missouri.edu
	St. Charles Community College www.stchas.edu	Herndon Career Center www.herndoncareercenter.com	Fontbonne Univ - www.fontbonne.edu	Univ of MO – Kansas City www.umkc.edu	Univ of MO – St Louis - www.umsu.edu
	State Fair Community College www.sfccmo.edu	Hillyard Technical Ctr - www.hillyardtech.com	Hannibal-Lagrange College - www.hlg.edu	University of Phoenix - www.phoenix.edu	Vatterott College www.vatterott-college.edu
	Three Rivers Community College www.trcc.edu	Jefferson College Area Technical School www.jeffco.edu	Harris-Stowe State Univ - www.hssu.edu	Washington University - www.wustl.edu	Webster University - www.websteruniv.edu
		Lake Career & Technical Center www.camdentonschools.org	Lincoln University - www.lincolnu.edu	Westminster College www.westminster-mo.edu	William Jewell College - www.jewell.edu
		Lebanon Technology and Career Ctr www.lebanon.k12.mo.us	Lindenwood Univ - www.lindenwood.edu	William Woods University www.williamwoods.edu	
		Lex La-Ray Tech Ctr www.lexington.k12.mo.us	Maryville Univ of St. Louis www.maryville.edu		
		Kirksville Area Tech Ctr www.kirksville.k12.mo.us	Messenger College www.messengercollege.edu		
		Moberly Area Tech Ctr - www.moberly.k12.mo.us	Missouri Baptist Univ - www.mobap.edu		
		Nichols Career Center - www.jcps.k12.mo.us	Missouri College www.missouricollege.com		
		Northland Career Ctr - www.northlandcareercenter.com	Missouri Southern State University www.mssu.edu		
		Northwest Tech School - www.maryville.k12.mo.us	Missouri State University www.missouristate.edu		
		Perryville Area Career/Tech Center www.perryville.k12.mo.us	Missouri State University – West Plains www.wp.missouristate.edu		
		Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us			
		Ranken Tech College - www.ranken.edu			
		Rolla Tech Institute - www.rolla.k12.mo.us			
		South Central Career Ctr - www.wphs.k12.mo.us			
		Unitec Career Center - www.mineralarea.edu			
		Waynesville Technical Academy www.waynesville.k12.mo.us			

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Bricklayers, Stonemasons and Cement Masons Cabinetmakers and Carpenters Drywall Finishers & installers and Plasterers Electricians Fence Builders Heating and Cooling System Mechanics Highway Maintenance Workers & Paving Equip Operators Line Installers and Repairers Plumbers and Pipefitters Roofers Sheet Metal Workers and Structural Metal Workers Surveying and Mapping Technicians Tile Setters	Commercial Divers Drafters Energy Auditors Interior Designers	Architects Construction Managers Cost Estimators Landscape Architects Surveyors	Architects, Except Landscape and Naval Architecture Teachers, Postsecondary Engineering Managers Engineering Teachers, Postsecondary Historians Operations Research Analysts Political Scientists Sociologists Sociology Teachers, Postsecondary



Careers in designing, planning, managing, building and maintaining the built environment.

Sample Career Specialties / Occupations	Architect • Architectural and Civil Drafter • Civil Engineer (structural, geotechnical, transportation, etc.) • Civil Engineering Technician • Code Official • Computer Aided Drafter (CAD) • Cost Estimator • Drafter • Electrical and Electronic Engineering Technician • Electrical Engineer (electronics, security, telecommunications) • Environmental Designer • Environmental Engineer (hydro engineering, acoustical, etc.) • Environmental Engineering Technician • Fire Prevention and Industrial Engineer • Interior Designer • Landscape Designer • Landscape Architect • Materials Engineer • Mechanical Drafter • Mechanical Engineer (HVAC, plumbing, fire protection, etc.) • Modeler (traditional and computer) Planner/Designer • Preservationist • Programmer • Protection Engineer • Regional and Urban Renderer (traditional and computer) • Specifications Writer • Building Surveying and Mapping Technician • Surveyor •	Boilermaker • Carpenter • Carpet Installer • Concrete Finisher • Construction Craft Laborer • Construction Engineer • Construction Foreman • Construction Inspector • Construction Manager • Drywall Installer • Education and Training Director/Coordinator • Electrical & Power Transmission Installer Electrician • Electronic Systems Technician • Elevator Installer • Equipment and Material Manager • Estimator • Explosives Worker • Field Supervisor • Floor Layer • General Contractor/Builder • Glazier • Heating, Ventilation, Air Conditioning and Refrigeration Mechanic • Insulation Worker • Iron/Metalworker (structural and reinforcing) • Landscape/Groundskeeper • Lineworker • Manufacturer's Representative • NOTE: General contractors/Builders and Specialty contractors typically own the contracting company.	Mason • Millwright • Painter • Paperhanger • Pipe Fitter • Pipelayer • Pipeline Installer Plasterer/Drywall • Plumber • Preservationist • Project Inspector • Project Manager • Roofer • Safety Director • Sales and Marketing Manager • Scheduler • Security and Fire Alarm Systems Installer • Service Contractor • Sheetmetal Worker • Specialty Contractor • Specialty Trades Subcontractor Steamfitter • Subcontractor • Superintendent • System Installer • Terrazo Worker and Finisher • Tile and Marble Setter •	Boilermaker • Carpenter • Carpet Installer • Concrete Finisher • Construction Manager • Construction Engineer • Construction Foreman • Construction Inspector • Cost Estimator • Demolition Engineer • Drywall Installer • Electrician • Electrician • Elevator Installer • Environmental Engineer • Equipment and Material Manager • Estimator • Facilities Engineer • Field Supervisor • General Maintenance Contractor • Glazier • Hazardous Materials Remover • Heating, Ventilation, Air Conditionin and Refrigeration Mechanic • Heavy Equipment Operator • Highway Maintenance Worker • Hydro Testing Technician • Insulation Worker • Insulation Worker • Iron/Metalworker (structural and reinforcing) • Landscape/Groundskeeper • Maintenance Estimator • Maintenance Planner/Scheduler • Manufacturer's Representative •	Mason • Millwright • Operating Engineer • Paperhanger • Pipe Fitter • Pipelayer • Plumber • Preservationist • Project Inspector • Project Manager • Refractory Technician • Relay Technician Reliability Engineer • Remodeler • Restoration Technician • Safety Director • Sales and Marketing Manager • Scheduler • Security and Fire Alarm System Installer • Security Controls Manager • Service Contractor • Sheetmetal Worker • Specialty Trades Contractor • Steamfitter • Subcontractor • Substation Mechanic Superintendent • System Installer • Terrazo Worker and Finisher • Thermal Control Technician • Tile and Marble Setter • Utility Metering &Reg. Technician Wastewater Maintenance • Technician •
	Design/Pre-Construction	Construction	Maintenance/Operations		
Cluster K&S	Cluster Knowledge and Skills ♦ Academics ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills				

Perryville High School
Arts, A/V Technology & Communications
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
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	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Computer Applications Foreign Language Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed Speech 1/Speech 2 Foreign Language Drama Fine Arts (Band, Choir, Art) Computer Applications Desktop Publishing Mass Media		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1	Speech 1/Speech 2 Foreign Language Drama Fine Arts (Band, Choir, Art) Computer Applications Desktop Publishing Mass Media Journalism 1	Graphic Design I (3) Digital Media I (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit				Speech 1/Speech 2 Foreign Language Drama Fine Arts (Band, Choir, Art) Computer Applications Desktop Publishing Journalism 1 or 2	Graphic Design I (3) Graphic Design II (3) Digital Media I (3) Digital Media II (3)	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org								

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Postsecondary	Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Missouri State University – West Plains www.wp.missouristate.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training
	East Central College www.eastcentral.edu	Clinton Technical School www.clinton.k12.mo.us/ts.php	Bryan College - www.bryancollege.com	Missouri Valley College – www.moval.edu	American College of Technology www.acot.edu
	Jefferson College www.jeffco.edu	Davis Hart Mexico Technical School www.mexicoschools.org	Central Methodist University www.centralmethodist.edu	Missouri Western State University www.missouriwestern.edu	Baptist Bible College - www.baptist.edu
	Linn State Technical College www.linnstate.edu	Eldon Career Center www.eldoncareercenter.org	College of the Ozarks - www.coto.edu	Northwest Missouri State University www.nwmissouri.edu	Barbizon School of Clayton www.barbizonmodeling.com
	Metropolitan Comm College www.mcckc.edu	Four Rivers Technical Center www.washington.k12.mo.us	Columbia College - www.ccis.edu	Patricia Stevens College www.patriciastevenscollege.edu	Broadcast Center www.broadcastcenterinfo.com
	Mineral Area College www.mineralarea.edu	Franklin Tech - MSSU www.ftcjoplin.com	Culver-Stockton College – www.culver.edu	Rockhurst University - www.rockhurst.edu	Calvary Bible College and Theological Seminary - www.calvary.edu
	Moberly Area Comm College www.macc.edu	Gibson Tech Ctr - www.wolves.k12.mo.us/gtc	DeVry University – www.devry.edu	Saint Louis Univ - www.imagine.stu.edu	Central Bible College - www.cbccag.edu
	Ozarks Tech Comm College www.otc.edu	Hannibal Career and Technical Center www.hannibal.tec.mo.us	Drury University - www.drury.edu	Sanford-Brown College www.sanford-browncollege.com	Colorado Technical University www.coloradotech.com
	St. Charles Comm College www.stchas.edu	Herndon Career Center www.herndoncareercenter.com	Evangel University - www.evangel.edu	Southwest Baptist Univ - www.sbuniv.edu	Court Report Academy www.thecourtreportingacademy.com
	St Louis Community College www.stlcc.edu	Jefferson College Area Technical School www.jeffco.edu	Everest College www.everest-college.com	Stephens College - www.stephens.edu	ITT Technical Institute www.itt-tech.edu
	State Fair Community College www.sfccmo.edu	Hillyard Tech Center - www.hillyardtech.com	Fontbonne Univ - www.fontbonne.edu	Truman State Univ - www.truman.edu	Kansas City Art Inst - www.kcai.edu
	Three Rivers Comm College www.trcc.edu	Kirksville Area Technical Center www.kirksville.k12.mo.us	Hannibal-Lagrange College - www.hlg.edu	Univ of Central MO - www.ucmo.edu	Midwestern Baptists Theological Seminary - www.mbts.edu
		Lake Career and Technical Center www.camdentonschools.org	Harris-Stowe State Univ - www.hssu.edu	Univ of MO – Columbia - www.missouri.edu	Missouri Tech – www.motech.edu
		Lex La-Ray Tech Ctr - www.lexington.k12.mo.us	Hickey College www.hickeycollege.edu	Univ of MO – Kansas City - www.umkc.edu	National American University www.national.edu
		Moberly Area Tech Ctr - www.moberly.k12.mo.us	Messenger College www.messengercollege.edu	Univ of MO – Rolla – www.umsr.edu	
	Nichols Career Center - www.jcps.k12.mo.us	Missouri Baptist Univ - www.mobap.edu	Univ of MO – St Louis - www.umsi.edu		
	Perryville Area Career/Technical Center www.mineralarea.edu	Missouri College www.missouricollege.com	Vatterott Coll - www.vatterott-college.edu		
	Ranken Technical College - www.ranken.edu	MO Southern State Univ - www.mssu.edu	Washington University - www.wustl.edu		
	Rolla Technical Institute - www.rolla.k12.mo.us	Missouri State University www.missouristate.edu	Webster University - www.websteruniv.edu		
	Waynesville Technical Academy www.waynesville.k12.mo.us		William Jewell College - www.jewell.edu		
			William Woods University www.williamwoods.edu		

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Actors Bookbinders and Bindery Workers Camera/Photographic Equipment Repairers Communications Equipment Mechanics Costume and Wardrobe Specialists Dancers Fine Artists Floral Designers Movie Projectionists Musical Instrument Repairers and Tuners Musicians and Singers Painting, Coating, and Decorating Workers Photographers Potters Printing Press Operators Proofreaders Ushers and Ticket Takers	Audio and Video Equipment Technicians Broadcast Technicians and Sound Engineering Techs Camera Operators, Film and Video Editors Choreographers Communications Equipment Mechanics Computer, Automated Teller, & Office Machine Repairers Desktop Publishers and Page Layout Workers Directors- Stage, Motion Pictures, Television, and Radio Electronic Home Entertainment Equipment Installers/Repairers Fashion Designers and Interior Designers Fine Artists, Including Painters, Sculptors, and Illustrators Multi-Media Artists and Animators Music Directors Poets, Lyricists and Creative Writers Producers Radio Mechanics and Operators Telecommunications Equipment Installers and Repairers	Agents and Business Managers Animators and Multi-media Artists Art Directors and Talent Directors Broadcast News Analysts and News Reporters Copy Writers, Technical Writers and Editors Directors- Stage, Motion Pictures, Television, and Radio Film and Video Editors Graphic Designers Industrial Designers Interpreters and Translators Multi-Media Artists and Animators Museum Technicians and Conservators Music Composers, Directors, and Arrangers Poets, Lyricists and Creative Writers Proofreaders and Copy Markers Reporters and Correspondents Set and Exhibit Designers Vocational Education Teachers, Postsecondary	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Historians Librarians

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Sample Career Specialties/Occupations	<ul style="list-style-type: none"> ♦ Video Systems Technicians ♦ Video Graphics, Special Effects, and Animation ♦ Audio-Video Designers and Engineers ♦ Technical Computer Support Technicians, State, Film, Video, and DVD ♦ Audio-Video System Service Technicians ♦ Audio Systems Technicians 	<ul style="list-style-type: none"> ♦ Graphics and Printing Equipment Operators ♦ Lithographers and Platemakers ♦ Computer Typography and Composition Equipment Operators ♦ Desktop Publishing Specialists; Web Page Designers 	<ul style="list-style-type: none"> ♦ Commercial Photographers, Digital, Still, Video, Film ♦ Interior Designers, Commercial/Residential and Home Furnishings coordinators ♦ Graphic Designers, CAD Technicians, and Fashion Illustrators ♦ Textile Designers ♦ Commercial Artists, Illustrators, and Artists, all Media ♦ Curators and Gallery Managers ♦ Fashion Designers 	<ul style="list-style-type: none"> ♦ Production Managers, Digital, Video, Stage ♦ Cinematographers, Film/Video Editors ♦ Dancers ♦ Play Writers, Screen Writers, Screen Editors, Script Writers ♦ Directors and Coaches, Performers, actors, Musicians ♦ Make-Up Artists and Costume Designers ♦ Stagecraft Designers, Lighters, Sets, Sound Effects, Acoustics, Painters ♦ Composers, Conductors, and Music Instructors 	<ul style="list-style-type: none"> ♦ Audio/Video Operations, Control Room Technician ♦ Station Mangers and Radio & TV Announcers ♦ Publishers, Editors, and Journalists and Reporters, Print, Broadcast, Other ♦ Broadcast Technicians 	<ul style="list-style-type: none"> ♦ Telecommunication Technicians ♦ Telecommunication Equipment, Cable, Line Repairers/Installers ♦ Telecommunication Computer Programmers, and Systems Analysts
Pathways	Audio and Video Technology and Film	Printing Technology	Visual Arts	Performing Arts	Journalism and Broadcasting	Telecommunications
Cluster K&S	<p align="center">Cluster Knowledge and Skills</p> <ul style="list-style-type: none"> ♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills 					



2008-2009

Perryville High School
Business Management & Administration
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities	Computer Applications (1) Business Basics (1)	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed	Computer Applications (1) Business Basics (1) Desktop Publishing (1) Personal Finance (0.5)	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Computer Applications (1) Desktop Publishing (1) Business & Personal Law (0.5) Accounting I (1) Business Manage/Marketing (1)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Desktop Publishing (1) Business & Personal Law (0.5) Accounting I (1) Accounting II ((1) Business Manage/Marketing (1)	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Missouri Western State University www.missouriwestern.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training
	East Central College www.eastcentral.edu	Clinton Tech School www.clinton.k12.mo.us	Baptist Bible College - www.baptist.edu	Northwest Missouri State University www.nwmissouri.edu	Colorado Technical University www.coloradotech.com
	Jefferson College www.jeffco.edu	Eldon Career Center - www.eldoncareercenter.org	Bryan College - www.bryancollege.com	Park University - www.park.edu	Daruby School www.darubyschool.com
	Metropolitan Community College www.mcckc.edu	Franklin Technology- MSSU www.ftcjoplin.com	Central Methodist University www.centralmethodist.edu	Patricia Stevens College www.patriciastevenscollege.edu	Grantham University www.grantham.edu
	Mineral Area College www.mineralarea.edu	Grand River Technical School www.grts.org	College of the Ozarks - www.coto.edu	Rockhurst University - www.rockhurst.edu	ITT Technical Institute www.itt-tech.edu
	Moberly Area Community College www.macc.edu	Hillyard Technical Center www.hillyardtech.com	Columbia College - www.ccis.edu	Saint Louis University www.imagine.stu.edu	Metro Business College www.metrobusinesscollege.edu
	North Central Missouri College www.ncmissouri.edu	Jefferson College Area Technical School www.jeffco.edu	Culver-Stockton College - www.culver.edu	Sanford-Brown College www.sanford-browncollege.com	MVC Computer & Business School www.mvc.school.com
	Ozarks Technical Comm College www.otc.edu	Kirkville Area Tech Center www.kirkville.k12.mo.us	DeVry University - www.devry.edu	Southeast MO State Univ - www.semo.edu	National American University www.national.edu
	St. Charles Community College www.stchas.edu	Lex La-Ray Tech Center www.lexington.k12.mo.us	Drury University - www.drury.edu	Southwest Baptist Univ - www.sbu.edu	Texas County Technical Institute www.texascountytech.edu
	St Louis Community College www.stlcc.edu	Moberly Area Tech Center www.moberly.k12.mo.us	Evangel University - www.evangel.edu	Stephens College - www.stephens.edu	
	State Fair Community College www.sfccmo.edu	Northwest Tech School - www.maryville.k12.mo.us	Everest College - www.everest-college.com	Truman State Univ - www.truman.edu	
	Three Rivers Community College www.trcc.edu	Pike-Lincoln Tech Center www.pltc.k12.mo.us	Fontbonne Univ - www.fontbonne.edu	Univ of Central MO - www.ucmo.edu	
		Ranken Tech College - www.ranken.edu	Hannibal-Lagrange College - www.hlg.edu	Univ of MO - Columbia - www.missouri.edu	
		Saline County Career Center www.marshallschools.com/sccc	Harris-Stowe State Univ - www.hssu.edu	Univ of MO - Kansas City www.umkc.edu	
		Sikeston Career and Technology Center www.sikeston.k12.mo.us	Hickey College - www.hickeycollege.edu	Univ of MO - Rolla - www.umsr.edu	
			Lincoln University - www.lincolnu.edu	Univ of MO - St Louis - www.umsi.edu	
			Lindenwood Univ - www.lindenwood.edu	Univ of Phoenix - www.phoenix.edu	
			Maryville Univ of St. Louis www.maryville.edu	Vatterott College www.vatterott-college.edu	
			Messenger College www.messengercollege.edu	Washington University - www.wustl.edu	
			Missouri Baptist Univ - www.mobap.edu	Webster University - www.websteruniv.edu	
			Missouri College www.missouricollege.com	Westminster College www.westminster-mo.edu	
			MO Southern State Univ - www.mssu.edu	William Jewell College - www.jewell.edu	
			Missouri State University www.missouristate.edu	William Woods University www.williamwoods.edu	
			Missouri State University – West Plains www.wp.missouristate.edu		

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Billing Clerks Bookkeeping and Accounting Clerks Computer Operators Copy Machine Operators Couriers and Messengers Data Entry File Clerks General Office Clerks Human Resources Assistants Interviewing Clerks Mail Clerks Order Clerks and Stock Clerks Payroll and Timekeeping clerks Receptionists Secretaries Shipping and Receiving Clerks Typists	Court Reporters First-Line Supervisors/Managers General and Operations Managers Production and Operating Workers	Administrative Services Managers Advertising Managers Business Executives Computer and Information Systems Managers Employee Training Specialists Employment Interviewers and Recruiters Human Resources Managers Job Benefits and Analysis Specialists Management Analysts Market Research Analysts Meeting and Convention Planners Property and Real Estate Managers Public Relations Managers, Specialists Purchasing Manager and Sales Managers Regulatory Affairs Specialists Social and Community Services Managers Storage and Distribution Managers	Business Teacher, Postsecondary Chief Executives Controller, Treasurers Economists Medical and Health Services Managers Operations Research Analysts Statisticians



Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Sample Career Specialties / Occupations	<p>Entrepreneur • Chief Executive Officer • General Manager • Accounting Manager • Accounts Payable Manager • Assistant Credit Manager • Billing Manager • Business & Development Manager • Compensation & Benefits Manager • Credit & Collections Manager • Payroll Manager • Risk Manager • Operations Manager • Public Relations Manager • Human Resource Manager • Management Analyst • Facilities Manager • Association Manager • Sports & Entertainment Manager • Hospital Manager • Government Manager • Public Organization Manager • Manufacturing Manager • Purchasing Manager • First Line Supervisor • Senior Manager • Management Trainee • Small Business Owner</p>	<p>• Information Systems Manager • Accounting Clerk • Accounting Supervisor • Adjuster • Chief Technology Officer • Auditor • Bookkeeper • Budget Analyst • Budget Manager • Billing Supervisor • Management Analyst • Controller • Merger & Acquisitions Manager • Price Analyst • Top Collections Executive • Information Technology Director • Chief Financial Officer • Finance Director • Certified Public Accountant • Project Manager • Cost Accountant • Librarian • Payroll Accounting Clerk</p>	<p>Human Resources Manager • International Human Resources Manager • Human Resources Coordinator • Industrial Relations Director • Compensation & Benefits Manager • Employment & Placement Manager • Employee Assistance Plan Manager • Training & Development Manager • Human Resources Consultant • Corporate Trainer • Training & Development Specialist • Conciliator/Mediator/Arbitrator • Employer Relations Representative • Labor & Personnel Relations Specialist • Affirmative Action Coordinator • Equal Employment Opportunity Specialist • OSHA/ADA Compliance Officer • Pay Equity Officer • Interpreter/Translator • Organizational Behaviorist • Occupational Analyst • Compensation, Benefits & Job Analyst Specialist • Human Resources Information Systems Specialist • Meeting & Convention Planner • Employment Interviewer, Private or Public • Employment Service • Personnel Recruiter • Human Resources Assistant • Payroll Professional • Identification Clerk • Human Resources Generalist</p>	<p>• Training and Development Manager • Operations Analyst • Sales Manager • Sales Representative • Broker • Agent • Assistant Store Manager • Department Manager • Assistant Department Manager • Salesperson • Customer Service Supervisor • Product Manager • Project Manager • Research & Development Manager • Budget Analyst • International Merchandising Manager & Supervisor • Marketing Manager • E-commerce Manager & Entrepreneur • Wholesale & Retail buyer • International Distribution Manager • Warehouse Manager • Logistics Manager/Supervisor • Logistics Manager/Coordinator • Marketing Information Manager • Public Relations Specialist • Distribution Worker • Wholesale, Freight, Stocking, Handling, Material Moving and Packing Worker • Traffic, Shipping, & Receiving Clerk • Demonstrator and Product Promoter • Supply Chain Manager • Director of Non-Profit Agency/Organization • Operations Specialties Manager • Industrial Production Manager</p>	<p>Administrative Assistant • Executive Assistant • Office Manager • Administrative Support • Information Assistant • Desktop Publisher • Customer Service Assistant • Data Entry Specialist • Receptionist • Communications Equipment Operator • Computer Operator • Stenographer • Dispatcher • Shipping & Receiving Assistant • Word Processor • Medical Transcriptionist • Legal Secretary • Paralegal</p>
	General Management	Business Information Management	Human Resources Management	Operations Management	Administrative Support
Pathways	<p>Cluster Knowledge and Skills</p> <p>◆ Academic Foundations ◆ Communications ◆ Problem Solving and Critical Thinking ◆ Information Technology Applications ◆ Systems</p> <p>◆ Safety, Health and Environmental ◆ Leadership and Teamwork ◆ Ethics and Legal Responsibilities</p> <p>◆ Employability and Career Development ◆ Technical Skills</p>				

Perryville High School
Education & Training
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Family Living/Child Dev Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed Family Living/Child Dev		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Early Childhood Professionals (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Early Childhood Professionals (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org .					
Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Tech Community College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Jefferson College Area Technical School www.jeffco.edu	Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Cottey College - www.cottey.edu Culver-Stockon College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Missouri Baptist Univ - www.mobap.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College – www.moval.edu Missouri Western State University www.missouriwestern.edu	Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis Univ - www.imagine.stu.edu St Louis Christian College www.slcconline.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu University of MO – St Louis www.umsl.edu Washington University - www.wustl.edu Westminster College www.westminster-mo.edu Webster University www.websteruniv.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Baptist Bible College & Graduate School www.baptist.edu Calvary Bible College and Theological Seminary - www.calvary.edu Colorado Technical University www.coloradotech.com Conception Seminary College www.conceptionabbey.org Grantham University www.grantham.edu National American University www.national.edu Paris II Educational Center www.parisii.net Wentworth Military Academy www.wma1880.org
Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Audi-Visual Specialists Coaches and Scouts Library Assistant Teacher Aides		Adult and Vocational Education Instructors Fitness Trainers and Aerobics Instructors Library Technical Assistants Preschool Teachers Teacher Assistants	Adult and Vocational Education Instructors Adult Literacy, Remedial Education, GED Teachers Audio-Visual Specialists Education Administrators Elementary School Teachers Employee Training Specialists High School Teachers Kindergarten Teachers Middle School Teachers Poets, Lyricists, and Creative Writer Public Health Educators Special Education Teachers	Adult and Vocational Education Instructors Audiologists Coaches and Scouts College and University Administrators Curriculum and Instruction Dieticians and Nutritionists Education Administrators Historians Instructional Coordinators Librarians School Psychologists Speech Pathologists Teacher	

Planning, managing and providing education and training services, and related learning support services.

Sample Career Specialties / Occupations	<p>Elementary and Secondary Superintendents, Principals, Administrators</p> <ul style="list-style-type: none"> •Supervisors and Instructional Coordinators •Education Researchers, Test Measurement Specialists/ Assessment Specialists •College Presidents, Deans, Department Chairs, Program Coordinators •Curriculum Developers •Instructional Media Designers Education and Training Technician Labor Relations Managers/Specialists 	<ul style="list-style-type: none"> •Psychologists- Clinical, Developmental, Social <ul style="list-style-type: none"> •Social Workers •Parent Educators •Counselors •Program Advisors •Financial Aid Advisors •Career Counselors/ Advisors •Career and Employment Placement Counselors •Speech-Language Pathologists and Audiologists <ul style="list-style-type: none"> •Instructional Resources Coordinator •Technology Support Administrator Database Administrators/AV Specialists <ul style="list-style-type: none"> •Distance Education Coordinator Human Resources Manager Organization Development Specialist Training Manager/Coordinator Instructional Coordinators Museum Coordinators/Technicians Media Coordinators/Specialists Instructional Media Designer 	<ul style="list-style-type: none"> • Preschool, Kindergarten Teachers, Aides <ul style="list-style-type: none"> •Elementary Teachers, Aides •Secondary/CTE Teachers, Aides •Special Education Teachers, Aides •College/University Lecturers, Professors Human Resource Trainers Physical Trainers Professional Coaches •Preschool & Child Care Program Directors <ul style="list-style-type: none"> •Child Care Assistants/Workers •Child Life Specialist •Nanny •Early Childhood Teachers and Assistants <ul style="list-style-type: none"> • Instructional Systems Specialist Corporate Trainers and Educators Adult Literacy Teachers Librarians/Assistants/ Technicians
Pathways	Administration and Administrative Support	Professional Support Services	Teaching/Training
Cluster K&S	<p align="center">Cluster Knowledge and Skills</p> <p align="center">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills</p>		

Perryville High School

Finance

Career Cluster Program of Study

www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed	Personal Finance (0.5)	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Accounting I (1) Accounting II (1) Business & Personal Law (0.5)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other:
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Accounting II (1) Business & Personal Law (0.5)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other:

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org					
Postsecondary	Community College	Technical School	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St Louis Community College www.stlcc.edu St. Charles Community College www.stchas.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu		Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu Columbia College - www.ccis.edu College of the Ozarks - www.coto.edu Culver-Stockon College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univeristy of St. Louis www.maryville.edu Missouri College www.missouricollege.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu	Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.UMR.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu Vatterott College www.vatterott-college.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Colorado Technical University www.coloradotech.com National American University www.national.edu
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-the-Job Training	Technical or Associate Degree	Bachelors Degree	Masters Degree or More		
Bank Tellers Bill and Account Collectors Brokerage Clerks Credit Checkers and Authorizers Insurance Adjusters and Examiners Insurance Claims Clerk Insurance Policy and Claims Clerks Loan Clerks Tax Preparers Title Examiners and Searchers	Claims Examiners, Property and Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters	Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople	Actuaries Business Teacher, Postsecondary Economists Treasurers and Controllers		



Planning, services for financial and investment planning, banking, insurance, and business financial management.

Sample Career Specialties / Occupations	Personal Financial Advisors •Tax Preparation Specialists •Sales Agents- Securities, Commodities •Investment Advisors •Brokerage Representatives •Development Officers •Securities/Investments Analysts •Stock Brokers	Accountants• Financial Analysts•Treasurers, Controllers and Chief Revenue Agents•Auditors•Economists•Tax Auditors •Collectors•Revenue Agents •Benefits Specialists •Real Estate Analysts • Certified Purchasing Professionals •Client Managers	Credit Analysts• Loan Officers• Account Representatives• Tellers•Loan Processors•Customer Service Reps•Data Processors• Internal Auditors•Compliance Officers•Title Researchers & Examiners•Abstractors •Repossession Agents •Network Service Representatives •Operations Managers •Debt Counselors	Claims Representatives, Examiners, and Investigators •Insurance Appraisers•Underwriters• Actuaries •Sales Agents •Customer Service Agents •Processing Clerks •Direct Marketing Representatives •Insurance Brokers •Loss Prevention Specialists
Pathways	Securities & Investments	Business Finance	Banking Services	Insurance
Cluster K&S	Cluster Knowledge and Skills ♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills			



2008-2009



Perryville High School
Government & Public Administration
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Business & Personal Law (0.5)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit			World History 2 Or American History 2		Business & Personal Law (0.5)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____								
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary

Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College www.crowder.edu East Central College www.eastcentral.edu Moberly Area Community College www.macc.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Technical School www.ed2go.com/cts Franklin Technology – MSSU www.ftcjoplin.com Grand River Technical School www.grts.org Hillyard Technical Center www.hillyardtech.com Lex La-Ray Technical Center www.lexington.k12.mo.us Moberly Area Technical Center www.moberly.k12.mo.us Pike-Lincoln Technical Center http://pltc.k12.mo.us Saline County Career Center www.marshallschools.com/sccc Sikeston Career & Technology Center www.sikestone.k12.mo.us	Avila University www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks www.cofo.edu Columbia College www.ccis.edu Culver-Stockon College www.culver.edu Drury University www.drury.edu Evangel University www.evangel.edu Everest College www.everest-college.edu Fontbonne University www.fontbonne.edu Harris-Stowe State University www.hssu.edu Lincoln University www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of Saint Louis www.maryville.edu Missouri Baptist University www.mobap.edu Missouri Southern State University www.mssu.edu Missouri State University www.missouristate.edu	Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.slu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College www.stephens.edu Truman State University www.truman.edu University of Central Missouri www.ucmo.edu University of MO – Columbia www.missouri.edu University of Missouri – Kansas City www.umkc.edu University of MO – St Louis www.umsl.edu Washington University www.wustl.edu Webster University www.webster.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training ITT Technical Institute www.itt-tech.edu Kansas City Art Institute www.kcai.edu National American University www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Compliance Officers and Inspectors Government Benefits Interviewers Interpreters and Translators License Clerks Mail Carriers Meter Readers Postal Clerks	Assessors Eligibility Interviewers, Government Programs General, Operations and Transportation Managers Government Property Inspectors and Investigators Licensing Examiners and Inspectors Mapping Technicians Municipal and Court Clerks Postmasters and Mail Superintendents Surveying Technicians Tax Examiners, Collectors, and Revenue Agents Tax Preparers	Administrative Services Managers Broadcast News Analysts & Public Relations Specialists City and Regional Planning Aides Emergency Management Specialists Equal Opportunity Representatives and Officers Financial Examiners Legislators Reporters and Correspondents Social and Community Service Managers Storage and Distribution Managers Urban and Regional Planners	Architecture Teachers, Postsecondary Chief Executives Communications Teachers, Postsecondary Coroners Economists Engineering Managers Political Science Teachers, Postsecondary Political Scientists



Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Sample Career Specialties / Occupations	President Vice President Governor Lieutenant Governor Mayor Cabinet Level Secretary (Fed./ State) Representative (Fed/State) Senator (Fed/State) Assistants, Deputies, and Chiefs of Staff Commissioner (County, Parish, City) Commissioner (State Agency) Congressional Aide Legislative Aide Legislative Assistant Specialist Lobbyist Policy Advisor	National Security Advisor Staff or Field Officer Officer/Specialist: Electronic Warfare Operations Combat Operations Infantry Field Artillery Air Defense Artillery Special Forces Armor Munitions Nuclear Weapons Missile and Space Systems Military Intelligence Signals Intelligence Surface Ship Warfare Officer Submarine Officer Combat Control Officer Combat Engineer Combat Aircraft Pilot/Crew Airborne Warning/Control Specialist Intelligence/Counterintelligence Agent/Specialist Intelligence Analyst Cryptographer	Ambassador Foreign Service Officer: Consular Officer Administrative Officer Political Officer Economic Officer Diplomatic Courier	Business/Enterprise Official Chief of Vital Statistics Commissioner Director (Various Agencies) Economic Development Coordinator Federal Aid Coordinator Census Clerk County Director Census Enumerator Planner Program Associate Global Imaging Systems Specialist	Assessor Tax Auditor Internal Revenue Investigator Revenue Agent/Officer Tax Examiner/Assistant/Clerk Inspector General Tax Attorney Tax Policy Analyst	Business Regulation Investigator Chief of Field Operations Code Inspector/Officer Director Equal-Opportunity Officer Inspector Investigator/Examiner Chief Bank Examiner Bank Examiner Aviation Safety Officer Border Inspector Cargo Inspector Election Supervisor Enforcement Specialist Immigration Officer	City Manager City Council City or County Clerk Court Administrator or Clerk Executive Director/Officer/Associate: Foundation Association Charitable Organization Industrial Foundation Chamber of Commerce General Service Officer Management Analysis Officer Program Administration Officer
Pathways	Governance	National Security	Foreign Service	Planning	Revenue and Taxation	Regulation	Public Management and Administration
Cluster K&S	Cluster Knowledge and Skills ♦Academic Foundations ♦Communications ♦Problem Solving and Critical Thinking ♦Information Technology ♦ Systems ♦ Safety ♦ Health and Environment ♦Leadership and Teamwork ♦Ethics and Legal Responsibilities ♦Employability and Career Development ♦Technical Skills ♦ Fiscal Responsibilities						



Perryville High School
Health Sciences
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Computer Applications Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed Nut/World Nutrition & Wellness Computer Applications		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1	Nut/World Nutrition & Wellness Computer Applications		Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit	Algebra 3/Trig Or Calculus	Chemistry Or Chemistry 2 Or Biology 2 Or Physics 2 Or Human Anatomy		Nut/World Nutrition & Wellness Computer Applications	Health Occupations (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org .								

Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Comm College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Comm College www.macc.edu North Central MO College www.ncmissouri.edu Ozarks Tech Comm College www.otc.edu St. Charles Comm College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Comm College www.trcc.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Cass Career Center www.harrisonville.k12.mo.us Columbia Career Center www.career-center.org Four Rivers Technical Center www.washington.k12.mo.us Franklin Tech - MSSU www.ftcjoplin.com Grand River Tech School - www.grts.org Herndon Career Center www.herndoncareercenter.com Hillyard Technical Center www.hillyardtech.com Jefferson College Area Technical School www.jeffco.edu Kennett Career and Technology Center www.kennett.k12.mo.us Lex La-Ray Tech Ctr - www.lexington.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Northland Career Center www.northlandcareercenter.com Northwest Tech School - www.maryville.k12.mo.us Poplar Bluff Schools - www.r1schools.org Sikeston Career and Technology Center www.sikeston.k12.mo.us South Central Career Center www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	AT Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ of St. Louis www.maryville.edu Missouri College www.missouricollege.com Missouri Baptist Univ - www.mobap.edu MO Southern State Univ - www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu	Missouri Valley College – www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst University - www.rockhurst.edu Saint Louis Univ - www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – Columbia - www.missouri.edu Univ of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsi.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Allied College - www.hightechinstitute.edu Barnes-Jewish College of Nursing & Allied Health - www.barnesjewishcollege.edu Cleveland Chiropractic College www.cleveland.edu Colorado Tech Univ www.coloradotech.com Cox Health - www.coxhealth.com Chamberlain College of Nursing www.chamberlain.edu Heritage Coll - www.heritage-college.com Cox College of Nursing & Health Science www.coxcollege.edu Logan Coll of Chiropractic - www.logan.edu Lutheran School of Nursing www.nursingschoolllmc.com Kansas City Univ of Med & Biosciences - www.kcumb.edu Research Med Ctr School of Nuclear Med www.researchmedicalcenter.com St John's Reg Health Ctr - www.stjohns.com Saint Luke's College - www.saint-lukes.org St Louis College of Health Careers www.slchc.com St Louis Coll Pharmacy - www.stlcoop.edu Southeast MO Hospital College of Nursing www.southeastmissourihospital.com Truman Med Ctr School - Nurse Anesthesia www.trumed.org

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Dental Assistants Dental Laboratory Technicians Home Health Aides Medical Appliance Technicians Medical Assistants Medical Equipment Preparers Medical Secretaries Personal and Home Care Aides Pharmacy Aides Pharmacy Technicians Physical Therapist Aides Psychiatric Aides	Cardiovascular Technologists Dental Hygienists Emergency Medical Technicians Health Information Technicians Licensed Practical Nurses Medical Laboratory Technicians Medical Sonographers Medical Transcriptionists Nursing Assistants Occupational Therapist Assistants Physical Therapist Assistants Radiation Therapists Radiologic Technologists Registered Nurses Respiratory Therapists Surgical Technologists Veterinary Technologists and Technicians	Administrative Services Managers Athletic Trainers Biomedical Engineers Computer Programmers Computer Software Engineers, Applications Dietitians Health Educators Medical and Clinical Laboratory Technologists Medical Laboratory Technologists Occupational Health and Safety Specialists Orthotic and Prosthetic Specialists Petroleum Engineers Public Relations Specialists Recreational Therapists Rehabilitation Counselors	Athletic Trainers, Physical and Occupational Therapists Biologists, Physicists, Hydrologists, Epidemiologists Clinical Psychologists and Mental Health Counselors Computer and Information Scientists, Research Dietitians and Nutritionists Farm and Home Management Advisors Health Specialties Teachers, Postsecondary Home Economics Teachers, Postsecondary Medical and Health Services Managers Medical Scientists, Except Epidemiologists Natural Sciences Mgrs, Zoologists and Wildlife Biologists Nurse Anesthetists and Physician Assistants Orthotics and Prosthetics Pharmacists Speech-Language Pathologists Communications Teachers, Postsecondary Veterinarians

Sample Career Specialist/Occupations	<p>Acupuncturist Anesthesiologist/Assistant Anesthesia Technologist/Technician Art/Music/Dance Therapist(s) Athletic Trainer Audiologist Certified Nursing Assistant Chiropractor Chiropractic Assistant Dental Assistant/Hygienist Dental Lab Technician Dietitian/Nutritionist Dosimetrist EMT/Paramedic Endodontist Exercise Physiologist Home Health Aide Kinesiotherapist Licensed Practical Nurse Massage Therapist Medical Assistant Mental Health Counselor Naturopathic Doctor Nurse Anesthetist Nurse Midwife Nurse Practitioner Occupational Therapist/Assistant Oral Surgeon Orientation/Mobility Specialist Orthodontist Orthoptist Orthotist/Prosthetist/Technician Podiatrist Perfusionist Pharmacist Pharmacy Technician Physical Therapist/Assistant Physician (MD/DO) Physician Assistant Podiatrist Psychologist Psychiatrist Radiation Therapist Recreation Therapist Registered Nurse Rehabilitation Counselor Respiratory Therapist Speech-Language Therapist Surgical Technician Veterinarian Veterinarian Assistant/Technician Vision Rehabilitation Therapist Wellness Coach</p>	<p>Audiologist Blood Bank Technology Specialist Cardiovascular Technologist Clinical Lab Technician Clinical Laboratory/Technologist Computer Tomography (CT) Technologist Cytogenetic Technologist Cytotechnologist Dentist Diagnostic Medical Sonographer Electrocardiographic (ECG) Technician Electroneurodiagnostic Technologist Electronic Diagnostic (EEG) Technologist Exercise Physiologist Geneticist Geriatrician Histotechnician Histotechnologist Magnetic Resonance Technologist Mammographer Medical Technologist/ Clinical Laboratory Scientist Nuclear Medicine Technologist Optician Ophthalmologist Ophthalmic Assistant/Technologist Optometrist Pathologist Pathologists' Assistant Phlebotomist Polysomnographic Technologist Positron Emission Tomography (PET) Technologist Radiologic Technologist Radiologist Speech-Language Pathologist</p>	<p>Admitting Clerk Applied Researcher Compliance Technician Clinical Account Manager Clinical Account Technician Clinical Data Specialist Community Services Specialists Data Quality Manager Epidemiologist Ethicist Health Educator Health Information Mgmt. Administrator Health Information Mgmt. Technician Healthcare Access Manager Healthcare Administrator Healthcare Finance Informatician Information Privacy Officer Managed Care Contract Analyst Medical Coder Medical Historian Medical Illustrator Medical Information Technologist Medical Librarian Medical Transcriptionist Patient Account Manager Patient Account Technician Patient Advocate Patient Information Coordinator Project Manager Public Health Educator Quality Management Specialist Quality Data Analyst Research and Decision Support Specialist Reimbursement Specialist Risk Manager Unit Coordinator Utilization Manager Utilization Review Manager</p>	<p>Animal Behavioralist Biomedical/Clinical Engineer Biomedical/Clinical Technician Clinical Simulator Technician Central Service Manager Central Service Technician Community Health Worker Dietary Manager Dietetic Technician Environmental Health Advocate Environmental Health Practitioner Environmental Services/ Specialist Facilities Manager Food Safety Specialist Health Advocate Hospital Maintenance Engineer Industrial Hygienist Interpreter Martial, Couple, Family Counselor/Therapist Materials Manager Medical Health Counselor Mortician/ Funeral Director Nurse Educator Occupational Health Nurse Occupational Health & Safety Expert Social Worker Transport Technician</p>	<p>Biochemist Bioinformatics Scientist Biomedical Chemist Biomedical Manufacturing Technician Biostatistician Cancer Registrar Cell Biologist Clinical Data Management Specialist Clinical Pharmacologist Clinical Trials Monitor Clinical Trials Research Coordinator Crime Scene Investigator Diagnostic Molecular Scientist Forensic Biologist Forensic Chemist Forensic Odontologist Forensic Pathologist Genetic Counselor Geneticist-Lab Assistant Lab Technician Medical Editor/Writer Microbiologist Molecular Biologist Nurse Researcher Packaging Technician Patent Lawyer Pharmaceutical/Clinical Project Manager Pharmaceutical Sales Representative Pharmaceutical Scientist Pharmacokineticist Pharmacologist Product Safety Scientist Process Development Scientist Processing Technician Quality Assurance Technician Quality Control Technician Regulatory Affairs Specialist Research Assistant Research Scientist Toxicologist</p>
	Therapeutic Services	Diagnostics Services	Health Informatics	Support Services	Biotechnology Research and Development
Cluster Knowledge & Skills	<p>Cluster Knowledge and Skills</p> <p>♦ Academic Foundation ♦ Communications ♦ Systems ♦ Employability Skills ♦ Legal Responsibilities ♦ Ethics ♦ Safety Practices ♦ Teamwork ♦ Health Maintenance Practices ♦ Technical Skills ♦ Information Technology Applications</p> <p>Revised July 2009</p>				

Perryville High School
Hospitality & Tourism
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: <hr/>
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed Nut/World Nutrition & Wellness		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/> Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: <hr/>
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1	Nut/World Nutrition & Wellness	Business Marketing/Management	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/>
	12	English 4 Or College Writing Or Public Spkg/Col Lit			World History 2	Nut/World Nutrition & Wellness	Business Marketing/Management	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: <hr/>
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Park University - www.park.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Kansas City Art Institute www.kcai.edu Lecole Culinaire www.lecoleculinarie.com Midwestern Baptist Theological Seminary – www.mbts.edu
	East Central College www.eastcentral.edu	Gibson Technical Center www.wolves.k12.mo.us/gtc	Central Methodist University www.centralmethodist.edu	Rockhurst University - www.rockhurst.edu	
	Jefferson College www.jeffco.edu	Jefferson College Area Technical Center www.jeffco.edu	College of the Ozarks - www.coto.edu	Saint Louis Univ - www.imagine.stu.edu	
	Metropolitan Community College www.mcckc.edu	Lake Career and Technical Center www.camdentonschools.org	Columbia College - www.ccis.edu	Southeast MO State Univ - www.semo.edu	
	Mineral Area College www.mineralarea.edu	Lebanon Technology Career Center www.lebanon.k12.mo.us	Culver-Stockon College www.culver.edu	Southwest Baptist Univ - www.sbuniv.edu	
	Ozarks Tech Community College www.otc.edu	Macon Area Vocational Technical School www.macon.k12.mo.us/vocational	Drury University - www.drury.edu	Stephens College - www.stephens.edu	
	St Louis Community College www.stlcc.edu	Northland Career Center www.northlandcareercenter.com	Evangel University - www.evangel.edu	Truman State Univ - www.truman.edu	
	Three Rivers Community College www.trcc.edu	Northwest Tech School - www.maryville.k12.mo.us	Lincoln University - www.lincolnu.edu	Univ of Central MO - www.ucmo.edu	
		Nevada Regional Technical Center www.nevada.k12.mo.us.us	Lindenwood Univ - www.lindenwood.edu	Univeristy of MO – Columbia www.missouri.edu	
	Pemiscot County Career & Tech Ctr South Central Career Center www.wphs.k12.mo.us	Missouri Baptist Univ - www.mobap.edu	Univ of MO – Kansas City www.umkc.edu		
	Waynesville Technical Academy www.waynesville.k12.mo.us	MO Southern State University www.mssu.edu	Univ of MO – St Louis - www.umsi.edu		
		Missouri State University www.missouristate.edu	Washington University - www.wustl.edu		
		Missouri Valley College www.moval.edu	Webster University www.websteruniv.edu		
		Missouri Western State University www.missouriwestern.edu	Westminster College www.westminster-mo.edu		
		Northwest Missouri State University www.nwmissouri.edu	William Jewell College - www.jewell.edu		
			William Woods University www.williamwoods.edu		
Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Amusement and Recreation Workers Baggage Porters and Bellhops Bartenders Casino Gaming Workers Chefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Hotel Desk Clerks Janitors and Cleaners Kitchen Helpers Maids and Housekeepers Professional Athletes Recreation Attendants Recreation Guides Recreation Workers Reservation and Ticket Agents Restaurant Hosts Tour Guides Umpires and Referees Waiters and Waitresses		Animal Trainers Casino Gaming Workers First-Line Supervisors/Managers of Housekeeping and Janitorial Workers Flight Attendants Food Service Managers Lodging Managers Reservation and Transportation Ticket Agents and Travel Clerks Residential Advisors Self Enrichment Education Teachers Travel Agents	Interpreters and Translators Meeting and Convention Planners Recreation Workers Set and Exhibit Designers Social and Community Service Managers	Farm and Home Management Advisors	



Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

Sample Career Specialties/Occupations	<p>General Manager •Food & Beverage Manager •Kitchen Manager</p> <p>•Catering & Banquets Manager</p> <p>•Service Manager• Dining Room Supervisor</p> <p>•Restaurant Owner •Baker •Brewer</p> <p>•Caterer •Dietician</p> <p>•Executive Chef •Cook</p> <p>•Pastry & Specialty Chef •Bartender</p> <p>•Restaurant Server •Banquet Server</p> <p>•Cocktail Server •Banquet Set-Up Employee• Bus Person •Room Service Attendant •Kitchen Steward</p> <p>•Counter Server •Wine Steward</p> <p>•Host</p> <p>•Research and Development Chef</p> <p>•Food/Beverage Wholesaler</p> <p>•Product Demonstrator •Personal Chef</p>	<p>Front Office Manager •Executive Housekeeper •Director of Sales & Marketing •Chief Engineer •Director of Human Resources •Rooms Division Manager •Director of Security</p> <p>•Controller •Food & Beverage Director</p> <p>•Resident Manager •Director of Operations •General Manager •Regional Manager •Quality Assurance Manager</p> <p>•Corporate Management •Lodging Management •Owner/Franchisee</p> <p>•Uniformed Services Support</p> <p>•Communications Supervisor •Front Desk Supervisor •Reservations Supervisor</p> <p>•Laundry Supervisor •Room Supervisor</p> <p>•Bell Captain •Shift Supervisor •Sales Professional •Night Auditor •Front Desk Employee •Valet Attendant •Bell Attendant•Door Attendant •Concierge</p> <p>•Reservationist •Guestroom Attendant</p> <p>•Public Space Cleaner •House Person•Maintenance Worker•Van Driver</p>	<p>Executive Director •Assistant Director</p> <p>•Director of Tourism Development •Director of Membership Development •Director of Communications •Director of Visitor Services</p> <p>•Director of Sales •Director of Marketing and Advertising •Director of Volunteer Services</p> <p>•Director of Convention and Visitors Bureau</p> <p>•Market Development Manager •Group Sales Manager •Events Manager •Sales Manager</p> <p>•Destination Manager •Convention Services Manager •Heritage Tourism Developer •Travel Agent (Commercial & Vacation) •Event Planner •Meeting Planner •Special Events Producer •Nature Tourism Coordinator •Tour and Travel Coordinator •Tourism Marketing Specialist •Transportation Specialist •Welcome Center Supervisor •Visitor Center Counselor •Tourism Assistant •Executive Assistant •Tour Guide •Tour Operator •Motor Coach Operator •Tour and Ticket Reservationist</p> <p>•Interpreter</p>	<p>Club Manager•Club Assistant Manager•Club Instructor•Club Equipment & Facility Maintenance •Club Scheduler•Club Event Planner•Club Membership Developer•Parks & Gardens Director•Parks & Gardens Activity Coordinator•Parks & Gardens Access Management•Parks & Gardens Safety & Security•Parks & Garden Ranger•Resort Trainer•Resort Instructor•Resort Equipment Maintenance•Resort Scheduler•Gaming & Casino Manager•Gaming & Casino Supervisor•Gaming & Casino Dealer•Gaming & Casino Slot Supervisor and Maintenance•Gaming & Casino Security & Safety•Fairs/Festival Event Planner•Fairs/Festival Set up Supervisor•Fairs/Festival Facility Manager•Fairs/Festival Promotional Developer•Theme Parks/Amusement Parks Resale Department Manager•Theme Parks/Amusement Parks Area Retail Manager•Theme Parks/Amusement Parks Area Ride Operations Manager•Theme Parks/Amusement Parks Group Events Manager•Family Centers Manager•Family Centers Equipment Operator/Maintenance•Historical /Cultural/Architectural Ecological Industrial Sites Guides/Ranger•Historical/Cultural/Architectural Ecological Industrial Sites Exhibit Developer•Museums/Zoos/Aquariums Docent•Museum/Zoos/Aquariums Animal Trainer and Handler•Museums/Zoos/Aquariums Exhibit Developer</p>
	<p>Restaurants and Food/Beverage Services</p>	<p>Lodging</p>	<p>Travel & Tourism</p>	<p>Recreation, Amusements & Attractions</p>
	<p style="text-align: center;">Cluster Knowledge and Skills</p> <p style="text-align: center;">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems</p> <p style="text-align: center;">♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities</p> <p style="text-align: center;">♦ Employability and Career Development ♦ Technical Skills</p>			

Perryville High School
Human Services
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: <hr/>
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/>
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Early Childhood Professionals (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: <hr/>
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Early Childhood Professionals (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/>
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: <hr/>								
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu St Louis Community College www.stlcc.edu	Colorado Technical University www.coloradotech.com Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Heritage Tech Institute www.hightechinstitute.edu Jefferson College Area Technical Center www.jeffco.edu Massage Therapy Training Institute www.massagetherapytraininginstitute.com Midwest Institute www.midwestinstitute.com Neosho Beauty College www.neoshobeautycollege.com Paris II Educational Center - www.parisii.net Patsy & Robs Academy of Beauty www.praob.edu Pinnacle Career Institute www.pctraining.edu Professional Massage Training Center www.pmtc.edu Regency Beauty Institute www.regencybeauty.com St Charles School of Massage Therapy www.dayspaacademy.net	Allied College - www.alliedcollege.edu Avila University - www.avila.edu Central Bible College - www.cbccag.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Conception Seminary College www.conceptionabbey.org Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Metro Business College www.metrobusinesscollege.edu Midwest University - www.midwest.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri College of Cosmetology www.missouricosmo.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Ozark Christian College - www.occ.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis Christian College www.slcconline.edu St Louis College of Health Careers www.slchc.com Saint Louis Univ - www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbu.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO - Columbia www.missouri.edu University of MO - Kansas City www.umkc.edu Univ of MO - St Louis - www.umsu.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Aquinas Institute of Theology www.ai.edu Assemblies of God Theological Seminary - www.agts.edu Calvary Bible College & Theological Seminary - www.calvary.edu Chillicothe Beauty Academy www.chillicothebeautyacademy.com Concordia Seminary - www.csl.edu Cosmetology Concepts Institute www.cosmetology-concepts.com Covenant Theological Seminary www.covenantseminary.edu Eden Theological Seminary www.eden.edu Elaine Steven Beauty College www.elainestevenbeautycollege.com Grabber School of Hair Design www.grabberschool.com House of Heavlin Beauty College www.kc-hair.com Independence College of Cosmetology www.hair-skin-nails.com Kenrick Glennon Seminary www.kenrick.edu Merrell University of Beauty Arts & Science - www.merrelluniversity.edu Midwestern Baptist Theological Seminary - www.mbts.edu Nazarene Theological Seminary www.nts.edu St Paul School of Theology www.spst.edu
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
	On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
	Child Care Workers Customer Service Representatives Funeral Attendants Laundry and Dry Cleaning Workers Lifeguards and Other Recreational Protective Service Workers Residential Counselors Social and Human Service Assistants	Barbers Embalmers and Funeral Director Government Programs Hairstylists and Cosmetologists Manicurists Preschool Teacher Professional Makeup Artists Residential Advisors Skin Care Specialists Social and Human Service Assistants	Addiction Counselors Director, Religious Activities and Education Early Childhood Educator Financial Counselors Health Educators Recreation Workers Rehabilitation Counselors Social and Community Service Manager Social Workers	Clergy Industrial-Organizational Psychologists Marriage and Family therapists Mental Health Counselors Psychologists Rehabilitation Counselors School Counselors Social Workers Substance Abuse and Behavioral Disorder Counselors Teachers, Postsecondary	



Preparing individuals for employment in career pathways that relate to families and human needs.

Sample Career Specialties / Occupations	<p>Directors, Childcare Facilities Assistant Directors, Childcare Facilities Elementary School Counselors Preschool Teachers Educators for Parents Nannies Teachers' Assistants Childcare Assistants/Workers</p>	<p>Clinical and Counseling Psychologists Industrial-Organizational Psychologists Sociologists Career Coaches School Counselors/Psychologists Substance Abuse and Behavioral Disorder Counselors Mental Health Counselors Vocational Rehabilitation Counselors Career Counselors Career Facilitators Employment Counselors Residential Advisors Marriage, Child and Family Counselors</p>	<p>Community Service Directors Adult Day Care Coordinators Coordinators of Volunteers Licensed Professional Counselors Religious Leaders Directors, Religious Activities/Education Programs Human Services Workers Social Services Workers Vocational Rehabilitation Counselors Employment Counselors Career Counselors Vocational Rehabilitation Service Workers Leisure Activities Coordinators Dieticians Geriatric Service Workers Adult Day Care Workers Residential Advisors Emergency and Relief Workers Community Food Service Workers Community Housing Service Workers Social and Human Services Assistants</p>	<p>Barbers Cosmetologists, Hairdressers, & Hairstylists Shampooers Nail Technicians, Manicurists & Pedicurists Skin Care Specialists/Estheticians Electrolysis Technicians Electrologists Funeral Directors/Morticians Embalmers Funeral Attendants Personal and Home Care Aides Companions Spa Attendants Personal Trainers Massage Therapists</p>	<p>Consumer Credit Counselors Consumer Affairs Officers Consumer Advocates Certified Financial Planners Insurance Representatives Bankers Real Estate Services Representatives Financial Advisors Investment Brokers Employee Benefits Representatives Hospital Patient Accounts Representatives Customer Service Representatives Consumer Research Department Representatives Consumer Goods or Services Retailing Representatives Market Researchers Account Executives Sales Consultants Event Specialists Inside Sales Representatives Field Merchandising Representatives Buyers Small Business Owners</p>
Pathways	<p>Early Childhood Development & Services</p>	<p>Counseling & Mental Health Services</p>	<p>Family & Community Services</p>	<p>Personal Care Services</p>	<p>Consumer Services</p>
	<p align="center">Cluster Knowledge and Skills</p> <p align="center">◆ Academic Foundations ◆ Communications ◆ Problem Solving and Critical Thinking ◆ Information Technology Applications ◆ Systems ◆ Safety, Health and Environmental ◆ Leadership and Teamwork ◆ Ethics and Legal Responsibilities ◆ Employability and Career Development ◆ Technical Skills</p>				

Perryville High School
Information Technology
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities	Computer Applications (1)	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: <hr/>
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed	Computer Applications (1) Desktop Publishing	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/> Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: <hr/>
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Computer Maintenance/Electronics I (3) Computer Applications (1)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/>
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Computer Maintenance/Electronics I (3) Computer Maintenance/Electronics II (3) Computer Applications (1)	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: <hr/>
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Jefferson College Area Technical Center www.jeffco.edu Kirksville Area Tech Center www.kirksville.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	A.T. Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockon College - www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univeristy of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.umsr.edu Univ of MO – St Louis - www.umsu.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Colorado Technical University www.coloradotech.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu Kansas City Art Institute www.kcai.edu Midwest Institute www.midwestinstitute.com Missouri Tech www.motech.edu National American University www.national.edu Pinnacle Career Institute www.pctraining.edu Texas County Technical Institute www.texascountytech.edu
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
	On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
		Computer Operators Computer Support Specialists Network Systems and Data Communications Analysts Numerical Tool and Process Control Programmers Web Administrators Web Developers	Computer and Information Systems Managers Computer Engineers Computer Programmers Computer Security Specialists Computer Software Engineers Computer Systems Administrators Computer Systems Analysts Data Communications analysts Database Administrators Graphic Designers Multi-Media Artists and Animators Network and Computer Systems Administrators Software Quality Assurance Engineers and Testers	Computer and Information Scientists, Research Computer Science Teachers, Postsecondary Engineering Managers	



Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

Sample of Career Specialties / Occupations	<p>Network Design and Administration: Communications Analyst * Data Communications Analyst * Information Systems Administrator * Information Systems Operator * Information Technology Engineer Network Consulting Engineer Network Pre-Sales Engineer Network Administrator * Analyst * Architect * Engineer * Manager * Operations Analyst * Security Analyst * Specialist * Technician * Transport Administrator PC Support Specialist * Systems: Administrator * Engineer * Support Lead Technical Support Specialist * User Support Specialist Telecommunications Network Technician</p>	<p>Database Development and Administration: Data: Administrator * Analyst * Architect * Management Associate * Modeler * Modeling Specialist Database: Administration Associate * Administrator * Analyst * Developer * Manager * Modeler * Security Expert * DSS (Decision Support Services) * Knowledge Architect Senior: Database Administrator * Systems Analyst Systems: Administrator * Analyst Tester Technical Writer: Desktop Publisher * Document Specialist * Documentation Specialist * Editor Electronic Publications Specialist * Publisher Instructional Designer, Online Publisher Technical Communicator * Editor * Publications Manager * Writer Technical Support: Analyst * Call Center Support Representative * Content Manager Customer: Liaison * Service Representative * Service Professional Help Desk Specialist * Technician Maintenance Technician * PC Support Specialist * PC Systems Coordinator * Product Support Engineer * Sales Support Technician * Technical: Account Manager * Support Engineer * Support Representative Testing Engineer Enterprise Systems Analysis and Integration: Application Integrator * Business Continuity Analyst * Cross-Enterprise Integrator Data: Systems Designer * Systems Manager * Warehouse Designer E-Business Specialist * Electronic Transactions Implementer Information Systems: Architect * Planner Systems: Analyst * Architect * Integrator</p>	<p>Digital Media: 2D/3D Artist * Animator * Audio/Video Engineer * Designer * Media Specialist * Media/Instructional Designer Multimedia: Author * Authoring Specialist * Developer * Specialist Producer * Production Assistant * Programmer * Streaming Media Specialist * Virtual Reality Specialist Web: Designer * Producer * Specialist Web Development and Administration: Web: Administrator * Architect * Designer * Page Developer * Producer * Site Developer * Specialist Webmaster Web Developer Social Networking Specialist Blog Developer * Search Engine Marketing Specialist Search Engine Optimization Specialist</p>	<p>Programming / Software Engineering: Applications: Analyst * Engineer Business Analyst * Computer Engineer * Data Modeler Operating System: Designer/Engineer * Programmer Analyst Program Manager * Programmer * Programmer/Analyst * Project Lead Software Applications: Specialist * Architect * Design Engineer * Development Engineer * Engineer * QA Specialist * Tester Systems: Analyst * Administrator Test Engineer * Tester</p>
Pathways	Network Systems	Information Support and Services	Web and Digital Communications	Programming and Software Development
Cluster K&S	<p style="text-align: center;">Cluster Knowledge and Skills</p> <p style="text-align: center;">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills</p>			

Perryville High School
Law, Public Safety, Corrections & Security
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements			SUGGESTED COURSE OF HIGH SCHOOL STUDY					
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Business & Personal Law (0.5)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Business & Personal Law (0.5)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____								
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Park University - www.park.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training
	East Central College www.eastcentral.edu	Columbia Career Center www.career-center.org	College of the Ozarks - www.coto.edu	Patricia Stevens College www.patriciastevenscollege.edu	
	Jefferson College www.jeffco.edu	Grand River Tech School - www.grts.org	Columbia College - www.ccis.edu	Rockhurst University www.rockhurst.edu	Allied College www.alliedcollege.edu
	Linn State Technical College www.linnstate.edu	Hillyard Technical Center www.hillyardtech.com	Drury University - www.drury.edu	Saint Louis Univ - www.imagine.stu.edu	High Tech Institute www.hightechinstitute.edu
	Metropolitan Community College www.mcckc.edu	Jefferson College Area Technical Center www.jeffco.edu	Evangel University - www.evangel.edu	Sanford-Brown College www.sanford-browncollege.com	National American University www.national.edu
	Mineral Area College www.mineralarea.edu	Rolla Technical Institute www.rolla.k12.mo.us	Everest College www.everest-college.com	Southeast MO State University www.semo.edu	Texas County Technical Institute www.texascountytech.edu
	Moberly Area Community College www.macc.edu	Sikeston Career and Technology Center www.sikeston.k12.mo.us	Hannibal-Lagrange College www.hlg.edu	Southwest Baptist University www.sbu.edu	
	North Central MO College www.ncmissouri.edu	Waynesville Technical Academy www.waynesville.k12.mo.us	Hickey College www.hickeycollege.edu	Univ of Central MO - www.ucmo.edu	
	Ozarks Tech Community College www.otc.edu		Lindenwood Univ - www.lindenwood.edu	University of MO – Columbia www.missouri.edu	
	St. Charles Community College www.stchas.edu		Maryville University of St. Louis www.maryville.edu	University of MO – Kansas City www.umkc.edu	
	St Louis Community College www.stlcc.edu		MO Southern State University www.mssu.edu	Univ of MO – St Louis - www.umsu.edu	
	State Fair Community College www.sfccmo.edu		Missouri State University www.missouristate.edu	Univ of Phoenix – www.phoenix.edu	
	Three Rivers Community College www.trcc.edu		Missouri State University – West Plains www.wp.missouristate.edu	Vatterott College www.vatterott-college.edu	
			Missouri Western State University www.missouriwestern.edu	Washington University - www.wustl.edu	
				Webster University - www.websteruniv.edu	
				William Woods University www.williamwoods.edu	
Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Ambulance Drivers Animal Control Workers Bailiffs Corrections Officers Court Clerks Crossing Guards Fire Fighters Forest Fire Fighters Gaming Surveillance Officers and Gaming Investigators Life Guards and Ski Patrollers Parking Enforcement Officers Parking Enforcement Workers Police, Fire, and Ambulance Dispatchers Security Guards Sheriffs Transportation Security Agents		Correctional Officers and Jailers Court Reporters Emergency Medical Technicians and Paramedics Fire Inspectors Fire Investigators First-Line Supervisors/Managers of Police and Detectives Forest Fire Fighting and Prevention Supervisors Forest Fire Inspectors and Prevention Specialists Legal Secretaries Municipal Fire Fighting and Prevention Supervisors Paralegals and Legal Assistants Police Detectives Police Identification and Records Officers Police Patrol Officers Private Detectives and Investigators Sheriffs and Deputy Sheriffs Title Examiners, Abstractors, and Searchers Transit and Railroad Police	Arbitrators and Mediators Coroners Correctional Treatment Specialists Criminal Investigators and Special Agents Emergency Management Specialists Forensic Science Technicians Immigration and Customs Inspectors Judges and Hearing Officers Law Clerks Probation Officers	Anthropology and Archeology Teachers, Postsecondary Child, Family, and School Social Workers Criminal Justice and Law Enforcement Teachers, Postsecondary Lawyer Psychology Teachers, Postsecondary	



Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Sample Career Specialties / Occupations	Warden• Jail Administrator• Mid-level Manager• Program Coordinator and Counselor• Public Information Officer• Correctional Trainer• Case Manager • Attorney • Community Corrections Practitioner• Probation/parole officer• Corrections Educator• Corrections Officer• Detention Deputy• Detention and Deportation Officer• Case Manager Youth Services Worker• Facility Maintenance Workers• Transport Officer• Food Service Staff• Medical Staff• Dietitian• Support Staff	Emergency Management and Response Coordinator •Emergency Planning Manager•EMT•Fire Fighter•Mgr/Supv. of Fire Fighters•Forest Fire Fighter• Mgr/Supv. of Forest Fire Fighters•Forest Fire Inspector & Investigator•Hazardous Materials Responder •Emergency Dispatchers for Police, Fire and Ambulance •Training Officer •Grant Writer and Coordinator •Rescue Workers •Consequence Management Specialist • Surety Officer • Fire Protection Inspector • Paramedic (Licensed) • Training and Exercises Program Analyst • Canine Enforcement Officer (Training) • Fire Protection Engineer • Infrastructure Analyst Specialist • Operations Analyst • Program Specialist (National Security) • Program Specialist (Response, Preparedness, Recovery/Mitigation)	Security Director•Corporate/Agency Security Director/VP•Corporate Director of Sales•Security Systems Designer/Consultant•Physical Security Specialist Consultant•Student Trainee – Investigations •Computer Forensics specialist•Private/Corporate Investigator•Loss Prevention/Security Manager (e.g. Store, hotel)•Security Trainer/Educator•Security Sales Representative/Manager• Loss Prevention Specialist•Physical Security Assistant•Security Systems Technician (Install/maintain)•Investigative Assistant (private sector) •Security Trainer (Basics)•Canine Enforcement Officer• Transportation Security Supervisor•Information Security Assistant (Document Control)•Personnel Security Assistant•Executive Protection Officer (Private)• Supervisory Security officer (armed, unarmed)•Certified Security Officer (SPO, POST, Arrest Authority)•Armored Car Guard•Control Center Operator (e.g. ADT) (Monitoring Center)• Uniformed Security Officer (Unarmed -- proprietary and contract)•Security Clerk• Transportation Security Technician•Loss Prevention Assistant•Uniformed Security officer (armed)•Computer Security Specialist•Computer Forensics Examiner•Executive Protection Specialist•Gaming Surveillance Specialist•Information Security specialist•Information Technology Security•Armored Car Guards•Industrial Espionage Security•Life Guard, Ski Patrol, •Physical Property Security•Private Security Specialist •Infrastructure Analyst – Specialist •IT Specialist (Information Security) • Intelligence Research-Operations Specialist •Operations Analyst •Port Security Specialist •Transportation Security Screener	•Animal Control Officer •Bailiffs •Child Support •Missing Persons •Unemployment Fraud Investigators •Aircraft Operations Officer •Criminal Investigators & Special Agents • Adjudicator •Air Enforcement Officer •Gaming Investigator •Bomb Technician •Game Enforcement Officer •Highway Patrol Pilots •Immigration & Customs Inspectors •Mgr/Supv. Police & Detectives •Police Detectives and Criminal Investigators •Air Marshall •Police, Fire & Ambulance Dispatchers •Police & Patrol Officers •Private Detectives & Investigators •Sheriffs & Deputy Sheriffs •Training Officer •Transit & Railroad Police •Park Ranger •Evidence Technician •Federal Marshall •Border Patrol Agent •Canine Enforcement Officer •Customs and Border Protection Officer •Deportation Officer •Document Analyst • Fingerprint Identification Technician •Forensic Science Technician •Import Specialist •IT Specialist (Information Security) •Intelligence Research - Operations Specialist •Port Security Specialist •Marine Enforcement Officer	•Administrative Law •Attorney •Case Management Specialist •Court Reporter •File and Document Manager • Adjudicator •Information Officer • Student Trainee - Legal •Investigator •Judge • Asylum Officer – Hearings and Appeals •Law Clerk •Legal Assistant •Legal Secretary •Magistrate •Mediator/Arbitrator •Negotiator •Para legal
Pathways	Correction Services	Emergency and Fire Management Services	Security & Protective Services	Law Enforcement Services	Legal Services
Cluster K&S	<p align="center">Cluster Knowledge and Skills</p> <p align="center">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills</p>				



Perryville High School
Manufacturing
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1or 2 Or Human Anatomy	World History 1		Welding Technology I (3) Industrial Technology I (3) Automotive Collision Repair I (3) Automotive Service Techn I (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Welding Technology I (3) Welding Technology II (3) Industrial Technology I (3) Industrial Technology II (3) Automotive Collision Repair I (3) Automotive Collision Repair II (3) Automotive Service Tech I (3) Automotive Service Tech II (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____								
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu	Carrollton Area Career Center www.trojans.k12.mo.us	Avila University - www.avila.edu	MO University of Science & Technology www.mst.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training
	Jefferson College www.jeffco.edu	Eldon Career Center www.eldoncareercenter.org	Baptist Bible College - www.baptist.edu	Missouri Western State University www.missouriwestern.edu	Colorado Technical University www.coloradotech.com
	Linn State Technical College www.linnstate.edu	Grand River Technical School www.grts.org	Bryan College - www.bryancollege.ecom	Northwest Missouri State University www.nwmissouri.edu	DeVry University www.drury.edu
	Metropolitan Community College www.mcckc.edu	Herndon Career Center www.herndoncareercenter.com	Central Methodist University www.centralmethodist.edu	Park University - www.park.edu	Foley-Belsaw Institute www.foley-belsaw.com
	Mineral Area College www.mineralarea.edu	Hillyard Technical Center www.hillyardtech.com	College of the Ozarks - www.coto.edu	Rockhurst University - www.rockhurst.edu	Grantham University www.grantham.edu
	North Central Missouri College www.ncmissouri.edu	Jefferson College Area Technical Center www.jeffco.edu	Columbia College - www.ccis.edu	Saint Louis University www.imagine.stu.edu	ITT Technical Institute www.itt-tech.edu
	Ozarks Technical Comm College www.otc.edu	Lamar Area VoTech www.lamar.k12.mo.us	Culver-Stockton College - www.culver.edu	Sanford-Brown College www.sanford-browncollege.com	National American University www.national.edu
	St Louis Community College www.stlcc.edu	Lex La-Ray Tech Center www.lexington.k12.mo.us	Drury University - www.drury.edu	Seamless College www.seamlesscollege.com	Texas County Technical Institute www.texascountytech.edu
	State Fair Community College www.sfccmo.edu	Kirkville Area Tech Center www.kirkville.k12.mo.us	Everest College www.everest-college.edu	Southeast MO State Univ - www.semo.edu	
	Three Rivers Community College www.trcc.edu	North Central Career Center www.shr2.k12.mo.us	Fontbonne Univ - www.fontbonne.edu	Southwest Baptist Univ - www.sbw.edu	
		Northland Career Center www.northlandcareercenter.com	Hannibal-Lagrange College - www.hlg.edu	Stephens College - www.stephens.edu	
		Northwest Tech School www.maryville.k12.mo.us	Harris-Stowe State Univ - www.hssu.edu	Truman State Univ - www.truman.edu	
		Perryville Area Career/Tech Center www.perryville.k12.mo.us	Hickey College www.hickeycollege.edu	Univ of Central MO - www.ucmo.edu	
		Ranken Tech College - www.ranken.edu	Lincoln University - www.lincolnlu.edu	Univ of MO - Columbia - www.missouri.edu	
		South Central Career Center www.wphs.k12.mo.us	Lindenwood Univ - www.lindenwood.edu	Univ of MO - Kansas City www.umkc.edu	
		Southwest Area Career Center www.swacc.k12.mo.us	Maryville Univ of St. Louis www.maryville.edu	Univ of MO - St Louis - www.umsu.edu	
			Messenger College www.messengercollege.edu	University of Phoenix - www.phoenix.edu	
			Missouri Baptist Univ - www.mobap.edu	Vatterott College - www.vatterott-college.edu	
			Missouri College - www.missouricollege.com	Washington University - www.wustl.edu	
			MO Southern State Univ - www.mssu.edu	Webster University - www.websteruniv.edu	
			Missouri State University www.missouristate.edu	Westminster College www.westminster-mo.edu	
			Missouri State University - West Plains www.wp.missouristate.edu	William Jewell College - www.jewell.edu	
				William Woods University www.williamwoods.edu	

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Crane and Tower Operators Hoist and Winch Operators Locksmiths Machinists Metal and Plastic Processing Workers Operating Engineers and Construction Equipment Operators Painting and Coating Machine Operators Power Plant Operators Precision Assemblers Quality Control Inspectors Small Engine Mechanics Tailors Tire Building Machine Operators Tool and Die Makers Tool Grinders Upholsterers Vehicle Painters Woodworking Machine Operators	Automotive Electronics Installers Computer, ATM, and Office Machine Repairers Electric Motor Repairers Home Electronics Repairers Industrial Electronics Repairers Jewelers Manufacturing Production Technicians Security and Fire Alarm Systems Installers Semiconductor Processing Operators Welders and Solderers Welding and Soldering Machine Operators	Chemical Engineers Occupational Health and Safety Specialists Safety Engineers	

Manufacturing
 Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Revised 12/2012

Sample Career Specialties/Occupations	<ul style="list-style-type: none"> ◆ Assembler ◆ Automated Manufacturing Technician ◆ Bookbinder ◆ Calibration Technician ◆ Electrical Installer and Repairer ◆ Electromechanical Equipment Assembler ◆ Extruding and Drawing Machine Setter/Set-Up Operator ◆ Extrusion Machine Operator ◆ Foundry Worker ◆ Grinding, Lapping, and Buffing Machine Operator ◆ Hand Packers and Packager ◆ Hoist and Winch Operator ◆ Instrument Maker ◆ Large Printing Press Machine Setter and Set-Up Operator ◆ Machine Operator ◆ Manager, Supervisor ◆ Medical Appliance Maker ◆ Milling Machine Setter, Set-Up Operator ◆ Millwright ◆ Operator, Tender, Cutter/Brazer, Solderer, Machine Operator ◆ Painter ◆ Pattern & Model Maker ◆ Precision Layout Worker ◆ Precision Optical Goods Worker ◆ Production Associate ◆ Sheet Metal Worker ◆ Solderer and Brazer ◆ Tool and Die Maker ◆ Welder 	<ul style="list-style-type: none"> ◆ Design Engineer ◆ Electrical and Electronics Technician and Technologist ◆ Electronics Engineer ◆ Engineering and Related Technician and Technologist ◆ Engineering Technician ◆ Industrial Engineer ◆ Labor Relations Manager ◆ Manufacturing Engineer ◆ Manufacturing Technician ◆ Power Generating and Reactor Plant Operator ◆ Precision Inspector, Tester, and Grader ◆ Process Improvement Technician ◆ Production Manager ◆ Purchasing Agent ◆ Supervisor 	<ul style="list-style-type: none"> ◆ Biomedical Equipment Technician ◆ Boilermaker ◆ Communication System Installer/Repairer ◆ Computer Installer/Repairer ◆ Computer Maintenance Technician ◆ Electrical Equipment Installer/Repairer ◆ Facility Electrician ◆ Industrial Electronic Installer/Repairer ◆ Industrial Facilities Manager ◆ Industrial Machinery Mechanic ◆ Industrial Maintenance Electrician ◆ Industrial Maintenance Mechanic ◆ Industrial Maintenance Technician ◆ Instrument Calibration and Repairer ◆ Instrument Control Technician ◆ Job/Fixture Designer ◆ Laser Systems Technician ◆ Maintenance Repairer ◆ Major Appliance Repairer ◆ Meter Installer/Repairer ◆ Millwright ◆ Plumber, Pipefitter and Steamfitter ◆ Security System Installer/Repairer 	<ul style="list-style-type: none"> ◆ Calibration Technician ◆ Inspector ◆ Lab Technician ◆ Process Control Technician ◆ Quality Control Technician ◆ Quality Engineer ◆ SPC Coordinator 	<ul style="list-style-type: none"> ◆ Communications, Transportation and Utilities Manager ◆ Dispatcher ◆ Freight, Stock, and Material Mover ◆ Industrial Truck and Tractor Operator ◆ Logistical Engineer ◆ Logistician ◆ Material Associate ◆ Material Handler ◆ Material Mover ◆ Process Improvement Technician ◆ Quality Control Technician ◆ Traffic Manager ◆ Traffic, Shipping, and Receiving Clerk 	<ul style="list-style-type: none"> ◆ Environmental Engineer ◆ Environmental Specialist ◆ Health and Safety Representative ◆ Safety Coordinator ◆ Safety Engineer ◆ Safety Team Leader ◆ Safety Technician
Pathways	Production	Manufacturing Production Process Development	Maintenance, Installation & Repair	Quality Assurance	Logistics & Inventory Control	Health, Safety and Environmental Assurance
Cluster K & S	<p align="center">Cluster Knowledge and Skills</p> <p align="center">◆ Academic Foundations ◆ Communications ◆ Problem Solving and Critical Thinking ◆ Information Technology Applications ◆ Systems ◆ Safety, Health and Environment ◆ Leadership and Teamwork ◆ Ethics and Legal Responsibilities ◆ Employability and Career Development ◆ Technical Skills</p>					

Perryville High School
Marketing
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Business Marketing (1) Business & Personal Law (0.5)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Business Marketing (1) Business & Personal Law (0.5)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	East Central College www.eastcentral.edu Crowder College www.crowder.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Eldon Career Center - www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Jefferson College Area Technical Center www.jeffco.edu Waynesville Technical Academy www.waynesville.k12.mo.us Northwest Tech School www.maryville.k12.mo.us Rankin Tech College - www.ranken.edu	Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – Columbia - www.missouri.edu Univ of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.umn.edu Univ of MO – St Louis - www.umsl.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Colorado Technical University www.coloradotech.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu National American University www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Advertising Salespeople Buyers and Purchasing Agents Cashiers Counter and Rental Clerks Demonstrators and Promoters Floral Designers Merchandise Displayers Models Opticians Parts Salespeople Retail Salespeople Route Salespeople Telemarketers	Advertising Sales Agents Assessors Fashion Designers Interior Designers Lodging Managers Property, Real Estate, and Community Association Managers Real Estate Brokers Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products Travel Agents Travel Guides Wholesale and Retail Buyers, Except Farm Products	Art Directors Editors Market Research Analysts Public Relations Specialists Sales Managers Sales Representatives Survey Researchers Technical Writers	Business Teacher, Postsecondary Marketing Managers Public Relations Managers Purchasing Managers Sales Managers



Planning, managing, and performing marketing activities to reach organizational objectives.

Sample Career Specialties / Occupations	<ul style="list-style-type: none"> • Entrepreneurs • Owners • Small Business Owners • Presidents • Chief Executive Officers • Principals • Partners • Proprietors • Franchisees • Independent X's (e.g., distributor) • Customer Service Representatives • Administrative Support Representatives (e.g., human resources, clerical, finance, technical) 	<ul style="list-style-type: none"> • Inbound Call Managers • Channel Sales Managers • Regional Sales Managers • Client Relationship Managers • Business Development Managers • Territory Representatives / Managers • Key Account Managers • National Account Managers • Account Executives • Sales Engineers • Sales Executives • Technical Sales Specialists • Retail Sales Specialists (big ticket) • Outside Sales Representatives • Industrial Sales Representatives • Manufacturer's Representatives • Salespersons • Field Marketing Representatives • Brokers • Agents • Field Representatives • Solutions Advisors • Sales/Marketing Associates • Telemarketers/Inside Sales Representatives • Customer Service Representatives • Administrative Support Representatives (e.g., human resources, clerical, finance, technical) 	<ul style="list-style-type: none"> • Store Managers • Retail Marketing Coordinators • Merchandising Managers • Merchandise Buyers • Operations Managers • Visual Merchandise Managers • Sales Managers • Department Managers • Sales Associates • Customer Service Representatives • Clerks (e.g., stock, receiving, etc.) • Administrative Support Representatives (e.g., human resources, clerical, finance, technical) 	<ul style="list-style-type: none"> • Advertising Managers • Public Relations Managers • Public Information Directors • Sales Promotion Managers • Co-op Managers • Trade Show Managers • Circulation Managers • Promotions Managers • Art/Graphics Directors • Creative Directors • Account Executives • Account Supervisors • Sales Representatives • Marketing Associates • Media Buyers/Planners • Interactive Media Specialists • Analysts • Contract Administrators • Copywriters • Research Specialists • Research Assistants • Customer Service Representatives • Administrative Support Representatives (e.g., human resources, clerical, finance, technical) 	<ul style="list-style-type: none"> • Database Managers • Research Specialists / Managers • Brand Managers • Marketing Services Managers • Customer Satisfaction Managers • (Research) Project Managers • CRM Managers • Forecasting Managers • Strategic Planners, Marketing • Product Planners • Planning Analysts • Directors of Market Development • Database Analysts • Analysts • Research Associates • Frequency Marketing Specialists • Knowledge Management Specialists • Interviewers • Customer Service Representatives • Administrative Support Representatives (e.g., human resources, clerical, finance, technical)
	Marketing Management	Professional Sales	Merchandising	Marketing Communications	Marketing Research
Pathways					
Cluster K&S	<p align="center">Cluster Knowledge and Skills</p> <p align="center">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems</p> <p align="center">♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities</p> <p align="center">♦ Employability and Career Development ♦ Technical Skills</p>				

Perryville High School
Science, Technology, Engineering & Mathematics
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1or 2 Or Human Anatomy	World History 1		Industrial Technology I (3) Computer Maintenance/Electronics I (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit	Algebra 3/Trig Or Calculus	Ecology Or Chemistry 1/2 Or Biology 2 Or Physics 2 Or Human Anatomy			Industrial Technology I (3) Industrial Technology II (3) Computer Maintenance/Electronics I (3) Computer Maintenance/Electronics II (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____								
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu	Missouri Tech www.motech.edu	Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockon College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State Univ ersity www.mssu.edu Missouri State University www.missouristate.edu MO University of Science & Technology www.mst.edu Missouri Western State University www.missouriwestern.edu	Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.UMR.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu	<ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Grantham University www.grantham.edu
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
	On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
		Electronics Engineering Technologists Engineering Technicians Manufacturing Engineering Technologists Science Technicians	Aerospace Engineers Biomedical Engineers Cartographers Chemists Civil Engineers Electrical and Electronics Engineers Energy Engineers Environmental Engineers Geospatial Information Scientists and Technologists Industrial Engineers Manufacturing Engineers Materials Engineers Mechanical Engineers Meteorologists Mining Engineers Nuclear Engineers Petroleum Engineers Photonics Engineers Remote Sensing Scientists and Technologists	Anthropologists Archeologists Astronomers Biologists Environmental Scientists Geographers Geologists and Geophysicists Historians Mathematicians Physicists Political Scientists Robotics Engineers Sociologists	



Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Sample Career Specialties / Occupations	<p>Aerospace Engineer* Aeronautical Engineer* Agricultural Engineer* Agricultural Technician* Application Engineer* Architectural Engineer* Automotive Engineer* Biomedical Engineer* Biotechnology Engineer* Chemical Engineer* Civil Engineer* Communications Engineer* Computer Engineer* Computer Hardware Engineer* Computer Programmer* Computer Science Technician* Computer Software Engineer* Construction Engineer* Consultant* Development Engineer* Drafter* Electrical Engineer* Electrician* Electronics Technician* Energy Transmission Engineer* Environmental Engineer* Facilities Technician* Fire Protection Engineer* Geothermal Engineer* Hazardous Waste Engineer* Hazardous Waste Technician* Human Factors Engineer* Industrial Engineer* Industrial Engineering Technician* Licensing Engineer* Manufacturing Engineer* Manufacturing Technician* Manufacturing Processes Engineer* Marine Engineer* Materials Engineer* Materials Lab & Supply Technician* Mechanical Engineer* Metallurgic Engineer* Mining Engineer* Naval Engineer* Network Technician* Nuclear Engineer* Ocean Engineer* Operations Research Engineer* Packaging Engineer* Packaging Technician* Petroleum Engineer* Pharmaceutical Engineer* Plastics Engineer* Power Systems Engineer* Product Design Engineer* Project Engineer* Project manager* Prototype Engineer* Quality Engineer* Quality Technician* Radio/TV Broadcast Technician* Radiology Engineer* Researcher* Safety Engineer* Software Engineer* Sound Technician* Structural Engineer* Survey Technician* Systems Design Engineer* Technical Sales Manager* Technical Writer* Telecommunications Engineer* Textile Engineer* Transportation Engineer* Nuclear Engineer and Procurement Engineer</p>	<p>Analytical Chemist* Anthropologist* Applied mathematician* Archeologist* Astronomer* Astrophysicist* Atmospheric scientist* Biologist* Botanist* CAD operator* Cartographer* Chemist* Communications technologist* Conservation scientist* Cosmologist* Cryptographer* Crystallographer* Demographer* Dye chemist* Ecologist* Economist* Electronmicroscopist* Environmental scientist* Expert systems scientist* Geneticist* Geologist* Geophysicist* Geoscientist* Herpetologist* Hydrologist* Ichthyologist* Inorganic chemist* Laboratory Technician* Mammalogist* Marine scientist* Materials analyst* Materials scientist* Mathematician* Mathematics* Metallurgist* Meteorologist* Microbial Physiologist* Mycologist* Nanobiologist* Nuclear chemists* Nuclear technician* Numerical analyst* Nutritionist* Oceanographer* Organic chemist* Ornithologist* Paleontologist* Physicist* Polymer scientist* Programmer* Protein scientist* Protozoologist* Quality-control scientist* Radio chemist* Research chemist* Research Technician* Science Teacher* Lab Technician* Scientific visualization / graphics expert* Spectroscopist* Statistician* Technical writer* Technologist* Toxicologist* Zoologist*</p>
Pathways	<p>Engineering and Technology</p>	<p>Science and Math</p>
	<p align="center">Cluster Knowledge and Skills</p> <p align="center">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environment ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills</p>	



Perryville High School
Transportation, Distribution & Logistics
Career Cluster Program of Study
www.perryville.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Perryville Area Career & Technology Center	Additional Learning Opportunities
Secondary	9	English 1	Algebra 1 Or Algebra 2	Physical Science Or Physics 1	American History 1	Fine Arts (Band, Choir, Art) Team Sports Or Weight Training Or Lifetime Activities		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 2	Algebra 2 Or Geometry	Biology 1	Government	Health/Consumer Ed		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 3 Or College Writing Or Public Spkg/Col Lit	Geometry Or Algebra 3/Trig	Ecology Or Chemistry Or Biology 2 Or Physics 1 or 2 Or Human Anatomy	World History 1		Auto Collision Repair I (3) Auto Service Technology I (3)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	English 4 Or College Writing Or Public Spkg/Col Lit					Auto Collision Repair I (3) Auto Collision Repair II (3) Auto Service Technology I (3) Auto Service Technology II (3)	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____								
Postsecondary Offerings – For A Complete List of Colleges, go to www.missouriconnections.org								

Postsecondary	Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org				
	Community College	Technical School/Training Institutions	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Hannibal-Lagrange College www.hlg.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.etc.edu Ranken Technical College www.ranken.edu Sanford-Brown College www.sanford-browncollege.com St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Tech School - www.clinton.k12.mo.us Davis Hart Career Ctr - www.mexicoschools.net Eldon Career Ctr - www.eldoncareercenter.org Four Rivers Career Center www.washington.k12.mo.us Franklin Technology- MSSU www.ftcjoplin.com Gibson Tech Ctr - www.wolves.k12.mo.us/gtc Grand River Technical School - www.grts.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Herndon Career Center www.herndoncareercenter.com Hillyard Technical Ctr - www.hillyardtech.com Kirksville Area Tech Ctr - www.kirksville.k12.mo.us Lake Career and Technical Center www.camdentonschools.org Lebanon Technology and Career Ctr www.lebanon.k12.mo.us/lccc Lex La-Ray Tech Ctr www.lexington.k12.mo.us Nichols Career Center - www.jcps.k12.mo.us Northland Career Center www.northlandcareercenter.com Northwest Tech School www.maryville.k12.mo.us Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us Rolla Tech Institute - www.rolla.k12.mo.us Saline County Career Center www.marshallschools.com/sccc Sikeston Career & Technology Center www.sikeston.k12.mo.us South Central Career Ctr - www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu DeVry University - www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College - www.everest-college.edu Fontbonne Univ - www.fontbonne.edu Grantham Univ - www.grantham.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of Saint Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State Univ – West Plains www.wp.missouristate.edu Missouri University of Science & Tech www.mst.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst Univ - www.rockhurst.edu Patricia Stevens College www.patriciastevenscollege.edu St. Louis Univ - www.imagine.slu.edu Southeast Missouri State University www.semo.edu Southwest Baptist University www.sbu.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu University of Central MO - www.ucmo.edu University of Missouri – Columbia www.missouri.edu University of Missouri – Kansas City www.umkc.edu University of Missouri – St Louis www.umsl.edu Univ of Phoenix - www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Aviation Institute of Maintenance www.aviationmaintenance.edu Colorado Technical University www.coloradotech.com American Truck Training www.americantrucktraining.com C-1 Truck Driver Training www.c1training.com ITT Technical Institute www.itt-tech.edu Midwestern Training Center National American University www.national.edu Nuway Truck Driver Training www.nuwaytruckschools.com Southern MO Truck Driving School www.smteds.com Westwind CDL Training Center www.westwindcdl.com Witte Truck Driving School
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
	On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
	Air Traffic Controllers and Flight Attendants Auto Body Repairers Bicycle Repairers Bus Drivers and School Bus Drivers Dispatchers and Traffic Technicians Freight Handlers Heavy Equipment Mechanics Heavy Truck Drivers Motorboat & Motorcycle Mechanics Parking Lot Attendants Riggers Service Station Attendants, Tire Repairers and Changers Transportation Agents	Aircraft Mechanic Automobile Mechanics Bus and Truck Mechanics and Diesel Engine Specialists Electrical/Electronics Installers/Repairers, Transportation Equipment Electronic Equipment Installers/Repairers, Motor Vehicles First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand First-Line Supervisors/Managers of Transportation Material-Moving Machine and Vehicle Operators Motorboat Mechanics and Motorcycle Mechanics Signal and Track Switch Repairers Traffic Technicians Transportation Vehicle, Equipment/Systems Inspectors	Airline Pilot Logisticians Storage and Distribution Managers	Chief Executive	



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Sample of Career Specialties / Occupations	<p>Air/Space Transportation: Transportation Managers (Air) * Commercial Pilots * Flight Engineers * Flight Attendants *Dispatchers (Air) * Traffic Managers * Air traffic Controllers *Aircraft Cargo Handling Supervisors * Airfield Operations Specialists</p> <p>Rail Transportation: Transportation Managers (Rail) * Dispatchers (Rail) * Traffic Managers * Locomotive Engineers * Locomotive Firers * Railyard Conductors and Yardmasters * Railroad Brake, Signal and Switch Operators * Railyard Engineers, Dinkey Operators, and Hostlers</p> <p>Water Transportation: Transportation Managers (Water) * Dispatchers (Water) * Traffic Managers * Captains * Mates * Pilots of Water Vessels * Sailors and Marine Oilers * Able Seamen * Ordinary Seamen * Ship and Boat Captains * Ship Engineers * Bridge and Lock Tenders</p> <p>Road Transportation Transportation managers (Road) * Dispatchers (Truck/Bus/Taxi) *Traffic Managers * Truck Drivers (Tractor-Trailer) * Truck Drivers (Light or Delivery Services) * Bus Drivers (Transit and Intercity) * School Bus Drivers * Taxi Drivers and Chauffeurs</p> <p>Transit Systems: Transportation Managers (Mass Transit) * Dispatchers (Bus) * Traffic Managers *Dispatchers (Rail) * Traffic Managers * Bus Drivers (Transit and Intercity) * Subway and Streetcar Operators</p>	<p>Logisticians * Logistics Managers * Logistics Engineers * Logistics Analysts * Logistics Consultants * International Logistics Specialists</p>	<p>Warehouse Managers * Storage and Distribution Managers * Industrial and Packaging Engineers * Traffic, Shipping and Receiving Clerks * Production, Planning, Expediting Clerks *First-line Supervisors/Managers of Helpers * Laborers, and Material Movers (Hand) * First-line Supervisors /Managers of Transportation and Material (Moving Machine and Vehicle Operators) *Laborers and Freight, Stock and Material Movers (Hand) * Car, Truck and Ship Loaders * Packers and Packagers-hand</p>	<p>Facility: Facility Maintenance Managers and Engineers * Industrial Equipment Mechanics *Industrial Electricians, * Electrical/Electronic Technicians</p> <p>Mobile Equipment: <u>General</u>--Mobile Equipment Maintenance Managers * Electrical and Electronic Installers and Repairers (Transportation Equipment) * Mobile Heavy Equipment Mechanics <u>Air/Space</u>--Aerospace Engineering and Operations Technicians * Aircraft Mechanics and Service Technicians * Airframe Mechanics * Power plant Mechanics * Aircraft Engine Specialists * Avionics Technicians <u>Water</u>--Ship Mechanics and Repairers * Motorboat Mechanics * Automotive/Truck Mechanics and Body Repairers <u>Rail</u>--Rail Car Repairers * Signal and Track Switch Repairers * Rail Locomotive Mechanics and Repairers <u>Road</u>--Electronic Equipment Installers and Repairers (Motor Vehicle) * Automotive Body and Related Repairers * Automotive Service Technicians and Mechanics * Automotive Master Mechanics * Automotive Specialty Technicians * Bus and Truck Mechanics and Diesel Engine Specialists * Motorcycle Mechanics * Bicycle Repairers</p>	<p><u>General</u>--<u>Intermodal</u>--Urban and Regional Planners * Civil Engineers * Engineering Technicians * Surveying and Mapping Technicians * Government Service Executives * Environmental Compliance Inspectors <u>Air/Space</u>--Air Traffic Controllers * Aviation Inspectors <u>Road</u>--Traffic Engineers * Traffic Technicians * Motor Vehicle Inspectors * Freight Inspectors <u>Rail</u>--Railroad Inspectors <u>Water</u>--Marine Cargo Inspectors * Vessel Traffic Control Specialists <u>Transit</u>--Public Transportation Inspectors <u>Other</u>---Regulators * Inspectors and other federal/state/local transportation agency jobs</p>	<p>Health and Safety Managers * Industrial Health and Safety Engineers * Environmental Scientists and Specialists * Environmental Science and Protection Technicians * Environmental Managers and Engineers * Environmental Compliance Inspectors * Safety Analysts</p>	<p>Marketing Managers, * Sales Managers * Sales Representatives of Transportation /Logistics Services * Reservation, Travel and Transportation Agents * Cargo and Freight Agents * Customer Service Managers * Cashiers, Counter and Rental clerks</p>
	Transportation Operations	Logistics Planning and Management Services	Warehousing and Distribution Center Operations	Facility and Mobile Equipment Maintenance	Transportation Systems/ Infrastructure Planning, Management, and Regulation	Health, Safety and Environmental Management	Sales and Service
Pathways	<p align="center">Cluster Knowledge and Skills</p> <p align="center">♦ Academic Foundations ♦ Communications ♦ Problem Solving and Critical Thinking ♦ Information Technology Applications ♦ Systems ♦ Safety, Health and Environmental ♦ Leadership and Teamwork ♦ Ethics and Legal Responsibilities ♦ Employability and Career Development ♦ Technical Skills</p>						