



**Festus High School**  
**Manufacturing**  
**Career Cluster Suggested Individual Career and Academic Plan**  
<http://festus.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	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PEI Lifetime Health Fine Arts Foreign Language I		<b>School Based:</b> <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	ELA II or Advanced ELA II	Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II	Biology	US History	PE II Foreign Language II Computer Applications I Industrial Technology		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	ELA III or Advanced ELA III	Algebra II/ Advanced Algebra II or College Algebra Precalculus AP Statistics	General Chem	US Government	Personal Finance Intro Engineering Design Drafting	◆Metal Fabrication I (M&C I) <input type="checkbox"/> Welding Technology I Building Repair Technology I (M&C I) ◆Residential Carpentry I (M&C I)	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	ELA IV or AP English Lit & Comp	College Algebra AP Statistics Calculus	AP Physics I	AP US History	Technical Drawing Power Tech Electricity/Electronics Carpentry	<input type="checkbox"/> Computer Integrated Manufacturing ◆Metal Fabrication I (M&C I) ◆+Metal Fabrication II (C II) <input type="checkbox"/> Welding Technology I <input type="checkbox"/> +Welding Technology II Building Repair Technology I (M&C I) +Building Repair Technology II (C II) ◆Residential Carpentry I (M&C I)	<b>Placement Assessment:</b> <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____

ATS symbol key : \*Articulated Credit     Dual Credit    +Prerequisites    M Mathematics    C Communications    **BOLD – AM ONLY PROGRAM**    *Italicized – PM ONLY PROGRAM*    Underlined – AM & PM  
 \*High School credit earned is dependent upon Sending School Transcription\*

## Career Cluster Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
		Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Carrollton Area Career Center <a href="http://www.trojans.k12.mo.us">www.trojans.k12.mo.us</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Grand River Technical School <a href="http://www.grts.org">www.grts.org</a> Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a> Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Jefferson College Area Technical Center <a href="http://www.jeffco.edu">www.jeffco.edu</a> Lamar Area VoTech <a href="http://www.lamar.k12.mo.us">www.lamar.k12.mo.us</a> Lex La-Ray Tech Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Kirksville Area Tech Center <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> North Central Career Center <a href="http://www.shr2.k12.mo.us">www.shr2.k12.mo.us</a> Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a> Northwest Tech School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Perryville Area Career/Tech Center <a href="http://www.perryville.k12.mo.us">www.perryville.k12.mo.us</a> Ranken Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a> South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Southwest Area Career Center <a href="http://www.swacc.k12.mo.us">www.swacc.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.ecom">www.bryancollege.ecom</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Hickey College <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College - <a href="http://www.missouricollege.com">www.missouricollege.com</a> Missouri S & T <a href="http://www.mst.edu">www.mst.edu</a> MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – KC <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – STL <a href="http://www.umsl.edu">www.umsl.edu</a> Vatterott College - <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington Univ - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster Univ - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careertech.org">www.careertech.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree		Masters Degree or More	
Locksmiths Machinists Metal and Plastic Processing Workers Operators: Crane and Tower, Hoist and Winch, Painting and Coating Machine, Power Plant, Tire Building Machine, Woodworking Machine Precision Assemblers Quality Control Inspectors Small Engine Mechanics Tailors Tool and Die Makers Tool Grinders Upholsterers Vehicle Painters	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 Solders Welding and Soldering Machine Operators	Chemical Engineers Occupational Health and Safety Specialists Safety Engineers			