



**Festus High School**  
**Science, Technology, Engineering & Mathematics**  
**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	<u>Area Technical School of Jefferson College</u>	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 (Intro to Art) 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 Precalculus AP Statistics	Pre AP Chemistry AP Physics I Earth Science	US Government	Personal Finance Foreign Language III Drawing Drafting Technical Drawing Architectural Drawing Computer Science		<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	ELA IV or AP English Lit & Comp	AP Statistics AP Calculus AB	AP Chemistry AP Physics II Advanced Biology Earth Science II	AP US History	Foreign Language IV 3-D Design Intro Engineering Design Electricity/Electronics	<input type="checkbox"/> <b>Computer Integrated – Manufacturing</b>	<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: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <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 Sample 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> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Missouri Tech <a href="http://www.motech.edu">www.motech.edu</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</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-Stockon 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> 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 University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> MO University of Science & Technology <a href="http://www.mst.edu">www.mst.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> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbuniv.edu">www.sbuniv.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> Washington Univ - <a href="http://www.wustl.edu">www.wustl.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>
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	
		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	