



Knob Noster High School
Manufacturing
Career Cluster Program of Study Template
www.hs.knobnoster.k12.mo.us

Minimum Graduation Requirements 26 Credits	SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.
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	Grade	English (4)	Math (3)	Science (3)	Social Studies (3)	Required Courses, Elective Options	<u>Warrensburg Area Career Center</u>	Additional Learning Opportunities
Secondary	9	English I	Algebra I	Biology	19 Century History Class of 2016 Western Civilization 2017 and beyond	★PE ★Health Fine Arts [1] before graduation Practical Arts [1] before graduation		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 II	Geometry	Physical Science Or Chemistry	American History I 2017 & beyond	PE [1] before graduation		Community Based: <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 III Or ★*Composition I/II	Algebra II	Advance Chemistry Anatomy/Physio Earth Science Advance Biology Principles of Technology Physics	20 Century History Class of 2016 ★American History II 2017 & beyond ★Government 2017 & beyond	★Personal Finance before graduation	Ag Construction I Ag Construction II ★Ag Structures ★Small Engines ◆Automotive Collision I ◆Construction Technology	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> Aspire <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: <hr/>
	12	English IV Or ★*Composition I/II ★*Creative Writing ★*Intro to Literature	College Algebra And TRIG Advance Math Topics Statistics Calculus	Advance Chemistry Anatomy/Physio Earth Science Advance Biology Principles of Technology Physics	★Government Class of 2016		Ag Construction I Ag Construction II ★Ag Structures ★Small Engines ◆Automotive Collision I ◆Automotive Collision II ◆Construction Technology	Student Organizations: <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: <hr/>

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

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