



Knob Noster High School
Agriculture, Food & Natural Resources
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.						
Secondary	Grade	English (4)	Math (3)	Science (3)	Social Studies (3)	Required Courses, Elective Options	Warrensburg Area Career Center	Additional Learning Opportunities
	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 Art [1] before graduation Agriculture Science I		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/> 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/> 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/> Student Organizations: <input type="checkbox"/> FFA <input type="checkbox"/> Other: _____
	10	English II	Geometry	Physical Science Or Chemistry	Western Civilization Class of 2016 American History I 2017 & beyond	PE [1] before graduation Agriculture Science II		
	11	English III Or ★*Composition I/II	Algebra II	*Advance Chemistry Anatomy/Phy 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 # Wildlife Management # Horticulture # Animal Science #Agriculture Sales, Marketing & Management	★ Ag Science II ★ Biotechnology ★ Conservation/Nat. Resources ★ Equine Science ★ Advanced Animal Science ◆Greenhouse Op & Man. ◆Floriculture ◆Landscaping Ag Construction I (Prerequisite) ★ Ag Structures ★ Small Engines Ag Construction II	

	12	English IV Or ★*Composition I/II ★*Creative Writing ★*Intro to Literature	★*College Algebra ★*TRIG Advance Math Topics ★*Statistics *Calculus	*Advance Chemistry Anatomy/Phys. Earth Science Advance Biology Principles of Technology Physics	★ Government Class of 2016	# Wildlife Management # Horticulture # Animal Science #Agriculture Sales, Marketing & Management		
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Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.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 Community 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>Clinton Technical School www.clinton.k12.mo.us</p> <p>Columbia Area Career Center www.career-center.org</p> <p>Davis Hart Career Center www.mexicoschools.net</p> <p>Eldon Career Center www.eldoncareercenter.org</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Kirkville Area Tech Center www.kirkville.k12.mo.us</p> <p>Moberly Area Tech Center www.moberly.k12.mo.us</p> <p>Ranken Tech College www.ranken.edu</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>A.T. Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</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-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlq.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood University www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State University 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 Univ of Science & Technology www.mst.edu</p> <p>Missouri Valley College www.moval.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>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist University www.sbniv.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>University of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsl.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>Petropolis Academy of Grooming & Training - www.petropolisacademy.com</p> <p>Midwest Institute www.midwestinstitute.com</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>Animal Caretakers</p> <p>Animal Trainers</p> <p>Bakers</p> <p>Commercial Fishers</p> <p>Farm and Ranch Workers</p> <p>Farm Equipment Mechanics</p> <p>Farmers</p> <p>Food Processing Workers</p> <p>Log Graders and Scalers</p> <p>Loggers</p> <p>Meat Cutters</p> <p>Mining Machine Operators</p> <p>Nursery Workers</p> <p>Rock Splitters</p> <p>Trash Collectors</p> <p>Veterinary Assistants</p> <p>Water Treatment Plant Operators</p>	<p>Fish and Game Wardens</p> <p>Forestry Technicians</p> <p>Precision Agriculture Technicians</p>	<p>Agricultural Engineers</p> <p>Agricultural Scientists</p> <p>Animal Scientists</p> <p>Conservation Scientists</p> <p>Farm and Home Management Advisors</p> <p>Food Scientists</p> <p>Foresters</p> <p>Park Naturalists</p> <p>Zoologists</p>	<p>Agricultural Sciences Teachers, Postsecondary</p> <p>Animal Scientists</p> <p>Farm and Home Management Advisors</p> <p>Veterinarians</p> <p>Zoologists and Wildlife Biologists</p>