

Agriculture, Food & Natural Resources

Career Cluster Program of Study Template www.btec.boonville.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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Career & Leadership Connections	Agricultural Science I ◆	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project
	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Graphic Arts Career & Leadership Connections	Agricultural Science I& II◆	Other: Community Based:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Computer Apps Accounting I Career & Leadership Connections	Ag Leadership & Communications ◆ Ag Management & Economics ◆ Ag Power I ◆ Agricultural Construction Animal Science ◆ Conservation & Natural Resources Floriculture Greenhouse Operation ◆ Landscaping/Turf Grass Management ◆	Assessments/Certifications: Technical Skills Attainment (TSA) Other: Placement Assessments: Compass Test
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg * Calculus*	Anatomy, AP Chemistry, Physics Botany	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Speech* Career & Leadership Connections	Ag Leadership & Communications ◆ Ag Management & Economics ◆ Ag Power I ◆ Agricultural Construction Animal Science ◆ Conservation & Natural Resources Floriculture Greenhouse Operation ◆ Landscaping/Turf Grass Management ◆ Sustainable Energy Theory & Lab	♣ ACT ♣ PSAT ♣ SAT ♣ ASVAB ♣ Other: Student Organizations: □ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

		Postsecondary Offerings –	For A Complete	Listing, go to <u>www.miss</u>	ouriconnections.org		
	Community College	Technical School/Training Institution		In:	State		Out of State/Other
Postsecondary	Crowder College	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	www.atsu.ec Avila University Central Methodi www.centra College of the O Columbia Colleg Culver-Stockton www.culver. Drury University Evangel Univers Fontbonne Univ Hannibal-Lagrar www.hlq.ed Lincoln Universi Lindenwood Uni www.linden Maryville Univer www.maryv Missouri Baptist MO Southern St. www.mssu.d Missouri State U www.my.mis MO Univ of Scie www.mst.ed Missouri Valley www.moval.	sity of Health Sciences du - www.avila.edu st University Imethodist.edu zarks - www.coto.edu ge - www.ccis.edu College edu - www.drury.edu iity - www.evangel.edu - www.fontbonne.edu nge College - uty - www.lincolnu.edu iversity wood.edu sitle.edu t University edu Iniversity uristate.edu Iniversity - West Plains souristate.edu nce & Technology U College edu	Missouri Western State Univous www.missouriwestern.ec Northwest Missouri State Univous Missouri.edu Park University - www.park.ec Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College - www.step Truman State Univ - www.tru Univ of Central MO - www.uc University of MO - Columbia www.missouri.edu University of MO - Kansas C www.umkc.edu Univ of MO - St Louis - www. Washington University - www. Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www. William Woods University www.williamwoods.edu	du ty chens.edu man.edu cmo.edu ity .umsl.edu v.wustl.edu	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 Occ					nections.org	
	On-The-Job Training or Less	Technical Training or Associa	ite Degree		ielors Degree		Masters Degree or More
	Caretakers	Fish and Game Wardens	Agricultural Engineers				Sciences Teachers, Postsecondary
Anima	Trainers	Forestry Technicians		Agricultural Scientists		Animal Scie	ntists ome Management Advisors

Precision Agriculture Technicians Farm and Home Management Advisors Bakers **Animal Scientists** Commercial Fishers Conservation Scientists Veterinarians Farm and Ranch Workers Farm and Home Management Advisors Zoologists and Wildlife Biologists Farm Equipment Mechanics Food Scientists Farmers Foresters Food Processing Workers Log Graders and Scalers Park Naturalists Zoologists Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators



Architecture & Construction

Career Cluster Program of Study Template www.btec.boonville.k12.mo.us

Minimum Graduation Requirements

SUGGESTED COURSE OF HIGH SCHOOL STUDY

It is suggested that students consider dual gradit, articulation, or advanced placement on

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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Career & Leadership Connections	Intro to Woodworking Tech	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
dary	10	Com Arts II	Geometry	Biology	World Geography Or World History	Personal Finance Graphic Arts Multimedia Career & Leadership Connections	Adv. Construction Tech Intro to Woodworking Tech	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Housing and Interiors Business Law Intro to Business Career & Leadership Connections	Adv. Construction Tech CAD I Intro to Woodworking Tech	Placement Assessments: Compass Test ACT PSAT SAT ASVAB Other:
	12	Com Arts IV Or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg * Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Accounting Speech* Business Mgmt. Career & Leadership Connections	Entrepreneurship CAD II Ag Construction Landscaping/Turf Management ◆ Intro to Woodworking Tech	Student Organizations: FBLA

			Postsecondary Offerings – F	or A Complete	Listing, go to <u>www.missouri</u>	connections.org		
	Community College	Techni	cal School/Training Institution		In State			Out of State/Other
Postsecondary	Crowder College	Arcadia Valle Cape Girarde	y Tech Center - www.mineralarea.edu au Career/Tech Center e.k12.mo.us/cc/default.htm School www.clinton.k12.mo.us ac Career Car - www.career-center.org areer Car - www.mexicoschools.net Car - www.eldoncareercenter.org anology- MSSU www.ftcjoplin.com Car - www.wolves.k12.mo.us/gtc Technical School - www.grts.org aer and Technical Center aibal.tec.mo.us aer Center adoncareercenter.com anical Car - www.hillyardtech.com ac Technical Center dentonschools.org annology and Career Car anon.k12.mo.us aech Car www.lexington.k12.mo.us a Tech Car - www.moberly.k12.mo.us ar Center - www.jcps.k12.mo.us ar Center - www.jcps.k12.mo.us	Baptist Bible C Bryan College Central Method www.centr College of the Columbia Colle Culver-Stockto Drury Universi Evangel Unive Everest Colleg Fontbonne Uni Hannibal-Lagra Harris-Stowe S Lincoln Univer Lindenwood U Maryville Univ www.mary Messenger Co www.mess Missouri Bapti Missouri Colle www.miss Missouri State www.miss Missouri State www.mp.n	y - www.avila.edu College - www.baptist.edu - www.bryancollege.ecom dist University ralmethodist.edu Ozarks - www.coto.edu ege - www.ccis.edu on College - www.culver.edu ty - www.drury.edu rsity - www.evangel.edu e www.everest-college.edu iv - www.fontbonne.edu ange College - www.hlq.edu sity - www.lincolnu.edu niv - www.lincolnu.edu of St. Louis rville.edu llege sengercollege.edu st Univ - www.mobap.edu ge souricollege.com nern State University u.edu University - West Plains nissouristate.edu	MO University of Science www.mst.edu Missouri Western State U www.missouriwester Park University - www.pa Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-brownc Southeast MO State Univ www.semo.edu Southwest Baptist Univ - y Stephens College - www. Truman State Univ - www Univ of Central MO - www Univ of MO - Columbia - y Univ of MO - St Louis - w University of Phoenix - w Vatterott College www.vatterott-colleg Washington University - www Westminster College www.westminster-mo. William Jewell College - y William Woods University www.williamwoods.edu	Iniversity n.edu rk.edu I college.com ersity www.sbuniv.edu stephens.edu u.truman.edu ww.missouri.edu www.missouri.edu www.missouri.edu www.umkc.edu www.phoenix.edu www.phoenix.edu uww.bosteruniv.edu e.edu www.wustl.edu uww.yww.jewell.edu	Apprenticeship Military On-the-Job Training Foley-Belsaw Institute www.foley-belsaw.com Colorado Technical University www.coloradotech.com DeVry University www.drury.edu Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu MERS/Missouri Goodwill Industries www.mersgoodwill.org Missouri Welding Institute www.nwi.ws National American University www.national.edu
	On-The-Job Training or Less		Technical Training or Associat	e Degree	Bachelors	Degree		asters Degree or More
Cabir Dryw Elect Fenc Heati High Line Plum Roof	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		Commercial Divers Drafters Energy Auditors Interior Designers		Architects Construction Managers Cost Estimators Landscape Architects Surveyors		Architecture Tead Engineering Man Engineering Tead Historians Operations Rese Political Scientist Sociologists	chers, Postsecondary arch Analysts

Sheet Metal Workers and Structural Metal Workers Surveying and Mapping Technicians Tile Setters



Arts, A/V Technology & Communications

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SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements

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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Health Fine Art Practical Art Spanish Drama Career & Leadership Connections Thematic Lit I	Marketing	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
Secondary	10	Com Arts II	Geometry	Biology	World Geography Or World History	Personal Finance Graphic Arts Computer Apps. Music of 20 th Century Newspaper Yearbook Publications Adv. Computer Apps. Band Art Choir Spanish	Computer Game Simulation & Programming Marketing Fashion Marketing Retail Marketing Hospitality, Travel & Tour	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:
Secol	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Band Art Choir Web Design Intro Film Creative Writing Speech* Spanish Multimedia Appl Instrumental Tech * Thematic Lit II Humanities	Computer Game Simulation & Programming Fashion Marketing Retail Marketing Marketing Internship Hospitality, Travel, & Tour Information Tech I Computer Networking Lab Medical Terminology *	Placement Assessments: L Compass Test ACT PSAT SAT ASVAB Other: Student Organizations:
	12	Com Arts IV Or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg * Calculus *	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Art Portfolio Humanities Creative Writing II Spanish Appl Instrumental Tech* Adv Graphic Arts	Computer Game Simulation & Programming Fashion Marketing Retail Marketing Marketing Iternship Hospitality, Travel & Tour Information Tech I & II Computer Networking Lab Medical Terminology *	□ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

Postsecondary Offerings - For A Complete Listing, go to <u>www.missouriconnections.org</u>								
	Community College	Technic	al School/Training Institution		In S	State		Out of State/Other
	Crowder College	Cape Girarde	eau Career/Tech Center	Avila University - w	ww.avila.edu	Missouri State University – W	est Plains	Apprenticeship
	www.crowder.edu	www.cap	e.k12.mo.us/cc/default.htm	Bryan College - ww	w.bryancollege.com	www.wp.missouristate.ed	<u>lu</u>	Military
	East Central College	Clinton Tech	nical School	Central Methodist I	University	Missouri Valley College -www	v.moval.edu	On-the-Job Training
	www.eastcentral.edu	www.clir	nton.k12.mo.us/ts.php	www.centralm	<u>ethodist.edu</u>	Missouri Western State Unive	ersity	l and and a second
	Jefferson College	Davis Hart M	exico Technical School	College of the Ozai		www.missouriwestern.ed		American College of Technology
	www.jeffco.edu	www.me	xicoschools.org	Columbia College -		Northwest Missouri State Uni	versity	www.acot.edu
	Linn State Technical College	Eldon Caree	Center	Culver-Stockton Co	ollege – <u>www.culver.edu</u>	www.nwmissouri.edu		Baptist Bible College -
	www.linnstate.edu		oncareercenter.org	DeVry University –	www.devry.edu	Ozark Christian College – ww	w.occ.edu	www.baptist.edu
	Metropolitan Comm. College	Four Rivers	Technical Center	Drury University - 1	<u>www.drury.edu</u>	Park University - www.park.ed	<u>du</u>	Barbizon School of Clayton
	www.mcckc.edu		shington.k12.mo.us		- www.evangel.edu	Patricia Stevens College		www.barbizonmodeling.com
	Mineral Area College		h - MSSU <u>www.ftcjoplin.com</u>	Everest College		www.patriciastevenscolle		Broadcast Center
2	www.mineralarea.edu		Car - www.wolves.k12.mo.us/gtc	www.everest-c		Rockhurst University - www.r		www.broadcastcenterinfo.com
Postsecondary	Moberly Area Comm. College	Hannibal Career and Technical Center			Jniv - <u>www.fontbonne.edu</u> Saint Louis Univ - <u>www.imagine.stu.edu</u>		<u>ne.stu.edu</u>	Calvary Bible College and Theological
E	www.macc.edu		nnibal.tec.mo.us		College - <u>www.hlq.edu</u>	Sanford-Brown College		Seminary - www.calvary.edu
Sec	Ozarks Tech Comm. College	Herndon Car			Univ -www.hssu.edu	www.sanford-browncolle	ge.com	Central Bible College -
sts	<u>www.otc.edu</u>		ndoncareercenter.com	Hickey College		Southeast MO State Univ -www		www.cbcag.edu
Po	St. Charles Comm. College	Hillyard Tech Center - www.hillyardtech.com		www.hickeyco	<u>ollege.edu</u>	Southwest Baptist Univ -www	<u>ı.sbuniv.edu</u>	Colorado Technical University
	www.stchas.edu		ea Technical Center	Lincoln University - www.lincolnu.edu		Stephens College - www.step	<u>hens.edu</u>	www.coloradotech.com
	St Louis Community College		ksville.k12.mo.us	Lindenwood Univ - www.lindenwood.edu		Truman State Univ - www.trur		Court Report Academy
	www.stlcc.edu		and Technical Center	Maryville Univ of S		Univ of Central MO - www.uc		www.thecourtreportingacademy.com
	State Fair Community College		amdentonschools.org	www.maryville		Univ of MO – Columbia - <u>www.</u>		ITT Technical Institute
	www.sfccmo.edu		ech Car - www.lexington.k12.mo.us	Messenger College		Univ of MO – Kansas City - w		www.itt-tech.edu
	Three Rivers Comm. College		Tech Car - www.moberly.k12.mo.us	www.messenge	<u>ercollege.edu</u>	Univ of MO – Rolla – www.um		Kansas City Art Inst - www.kcai.edu
	www.trcc.edu		er Center - www.jcps.k12.mo.us		niv - <u>www.mobap.edu</u>	Univ of MO – St Louis - www.		Midwestern Baptists Theological
	Perryville Area Career/Te			Missouri College		Vatterott Coll - www.vatterott-		Seminary - www.mbts.edu
	www.mineralarea.edu			www.missouri		Washington University - www		Missouri Tech – www.motech.edu
			nnical College - <u>www.ranken.edu</u>		Univ - <u>www.mssu.edu</u>	Webster University - www.web		National American University
	Rolla Technical Institute - www.rolla.k			Missouri State Univ		William Jewell College - www.	<u>jewell.edu</u>	<u>www.national.edu</u>
	Waynesville Technical Academy			www.missour	<u>istate.edu</u>	William Woods University		
	www.waynesville.k12.mo.us					www.williamwoods.edu		
			ers By Educational Level - For Occ				nections.org	
	On-The-Job Training or Less Technical Training or Associate Degree Bachelors Degree Masters Degree or More							
Acto	rs		Audio and Video Equipment Technicia	ans	Agents and Business Mar	nagers	Art, Drama, a	nd Music Teachers, Postsecondary

Sample Co	areers by Educational Level - 1 of Occupational Special	les, go to www.careerclusters.org or www.missouricor	inections.org
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Actors	Audio and Video Equipment Technicians	Agents and Business Managers	Art, Drama, and Music Teachers, Postsecondary
Bookbinders and Bindery Workers	Broadcast Technicians and Sound Engineering Techs	Animators and Multi-media Artists	Communications Teachers, Postsecondary
Camera/Photographic Equipment Repairers	Camera Operators, Film and Video Editors	Art Directors and Talent Directors	English Language and Literature Teachers,
Communications Equipment Mechanics	Choreographers	Broadcast News Analysts and News Reporters	Postsecondary
Costume and Wardrobe Specialists	Communications Equipment Mechanics	Copy Writers, Technical Writers and Editors	Historians
Dancers	Computer, Automated Teller, & Office Machine Repairers	Directors- Stage, Motion Pictures, Television, and Radio	Librarians
Fine Artists	Desktop Publishers and Page Layout Workers	Film and Video Editors	
Floral Designers	Directors- Stage, Motion Pictures, Television, and Radio	Graphic Designers	
Movie Projectionists	Electronic Home Entertainment Equipment	Industrial Designers	
Musical Instrument Repairers and Tuners	Installers/Repairers	Interpreters and Translators	
Musicians and Singers	Fashion Designers and Interior Designers	Multi-Media Artists and Animators	
Painting, Coating, and Decorating Workers	Fine Artists, Including Painters, Sculptors, and Illustrators	Museum Technicians and Conservators	
Photographers	Multi-Media Artists and Animators	Music Composers, Directors, and Arrangers	
Potters	Music Directors	Poets, Lyricists and Creative Writers	
Printing Press Operators	Poets, Lyricists and Creative Writers	Proofreaders and Copy Markers	
Proofreaders	Producers	Reporters and Correspondents	
Ushers and Ticket Takers	Radio Mechanics and Operators	Set and Exhibit Designers	
	Telecommunications Equipment Installers and Repairers	Vocational Education Teachers, Postsecondary	



Business Management & Administration Career Cluster Program of Study Template

www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements 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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Spanish Intro to Business Computer Apps.	Marketing	School-Based: Career Research Internship Job Shadowing Other: Community Based:
ry	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Career & Leadership Connections Intro to Business Business Sports Management Business Econ	Adv Marketing Retail Marketing Fashion Marketing Sports & Entertainment Mkt. Hosp., Travel, & Tourism Entrepreneurship	□ Mentorship □ Volunteer □ Part-time Employment □ Other: □ Technical Skills Attainment (TSA) □ Other:
Secondary	11	Com Arts III	Algebra II	Botany, Chemistry, Earth Science, Zoology	Government	Accounting I Spanish Business Sports Management Career & Leadership Connections Business Econ Intro to Business	Agricultural Economics and Management Information Tech I Computer Networking Lab Medical Terminology Marketing Internship Retail Marketing Fashion Marketing Hosp., Travel, & Tourism	Placement Assessments: ♣ Compass Test ♣ ACT or SAT ♣ SAT ♣ ASVAB Other Student Organizations:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Algebra* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Business Law Business SportsMgmt. Accounting II Spanish Career & Leadership Connections Intro to Business Business Econ	Agricultural Economics and Management Information Tech I & II Computer Networking Lab Medical Terminology Retail Marketing Fashion Marketing Hosp., Travel, & Tourism	

		D 1 1 0% :	F 40 11				
			gs – For A Complete	Listing, go to <u>www.miss</u>			
	Community College	Technical School/Training Institution		In S	State		Out of State/Other
	Crowder College	Cape Girardeau Career/Tech Center	Avila University - w		Missouri Western State Unive		Apprenticeship
	www.crowder.edu	www.cape.k12.mo.us/cc/default.htm	Baptist Bible Colleg		www.missouriwestern.ed		Military
	East Central College	Clinton Tech School	Bryan College - www	v.bryancollege.com	Northwest Missouri State Uni	versity	On-the-Job Training
	www.eastcentral.edu	www.clinton.k12.mo.us	Central Methodist U		www.nwmissouri.edu		
	Jefferson College	Eldon Career Center -	www.centralme		Park University - www.park.ee	<u>du</u>	Colorado Technical University
	www.jeffco.edu	www.eldoncareercenter.org	College of the Ozarl		Patricia Stevens College		www.coloradotech.com
	Metropolitan Community College	Franklin Technology- MSSU	Columbia College -		www.patriciastevenscoll		Daruby School
	www.mcckc.edu	www.ftcjoplin.com		llege - www.culver.edu	Rockhurst University - www.r	<u>ockhurst.edu</u>	www.darubyschool.com
	Mineral Area College	Grand River Technical School	DeVry University – V		Saint Louis University		Grantham University
>	www.mineralarea.edu	www.grts.org	Drury University - w		www.imagine.stu.edu		www.grantham.edu
	Moberly Area Community College www.macc.edu	Hillyard Technical Center www.hillyardtech.com	Evangel University	www.evanger.edu ww.everest-college.com	Sanford-Brown College www.sanford-browncolle	as som	ITT Technical Institute
1 6	North Central Missouri College	Kirksville Area Tech Center	Fontbonne Univ - w	ww.everest-conege.com	Southeast MO State Univ -ww		www.itt-tech.edu
	www.ncmissouri.edu	www.kirksville.k12.mo.us		College - <u>www.hlq.edu</u>	Southwest Baptist Univ - www		Metro Business College
0	Ozarks Technical Comm. College	Lex La-Ray Tech Center		Jniv - www.hssu.edu	Stephens College - www.step		www.metrobusinesscollege.edu
1 8	www.otc.edu	www.lexington.k12.mo.us		w.hickeycollege.edu	Truman State Univ - www.trui		MVC Computer & Business School www.mvcschool.com
S	St. Charles Community College	Moberly Area Tech Center	Lincoln University -	www.lincolnu.edu	Univ of Central MO - www.uc		National American University
ostsecondary	www.stchas.edu	www.moberly.k12.mo.us	Lindenwood Univ -	www.lindenwood.edu	Univ of MO – Columbia -www		www.national.edu
0	St Louis Community College	Northwest Tech School -	Maryville Univ of St.	Louis	Univ of MO – Kansas City www		TechSkills
۵	www.stlcc.edu	www.maryville.k12.mo.us	www.maryville.	e <mark>du</mark>	Univ of MO – Rolla – www.um	<u>r.edu</u>	www.techskills.com
	State Fair Community College	Pike-Lincoln Tech Center	incoln Tech Center Messenger College		Univ of MO – St Louis - www.		Texas County Technical Institute
	www.sfccmo.edu	www.pltc.k12.mo.us			Univ of Phoenix – www.phoen	<u>nix.edu</u>	www.texascountytech.edu
	Three Rivers Community College	Ranken Tech College - www.ranken.edu		iv - <u>www.mobap.edu</u>	Vatterott College		
	www.trcc.edu	Saline County Career Center	Missouri College		www.vatterott-college.ed		
		www.marshallschools.com/sccc	www.missouric		Washington University - www		
		Sikeston Career and Technology Center		Univ - <u>www.mssu.edu</u>	Webster University - www.wel	<u>steruniv.edu</u>	
		www.sikeston.k12.mo.us	Missouri State Univenue www.missouris		Westminster College www.westminster-mo.edu		
				rersity – West Plains	William Jewell College - www	iowall adu	
			www.wp.missou		William Woods University	<u>jeweii.euu</u>	
			<u>www.wp.mi330c</u>	iristate.euu	www.williamwoods.edu		
	Sa	Imple Careers By Educational Level – For Oc	ccupational Specialti	es, go to www.careerclu		nnections.org	
	On-the-Job Training	Technical Training or Ass		Bache	lors Degree		Masters Degree or More
	Clerks	Court Reporters		Administrative Services M	lanagers	Business Teach	ner, Postsecondary
	keeping and Accounting Clerks	First-Line Supervisors/Managers		Advertising Managers		Chief Executive	
	outer Operators	General and Operations Managers		Business Executives		Controller, Trea	asurers
	Machine Operators	Production and Operating Workers		Computer and Information		Economists	
	ers and Messengers			Employee Training Specia			ealth Services Managers
Data				Employment Interviewers			search Analysts
	lle Clerks			Human Resources Manag		Statisticians	
	eneral Office Clerks			Job Benefits and Analysis	specialists		
	uman Resources Assistants terviewing Clerks			Management Analysts			
	ail Clerks			Market Research Analyst Meeting and Convention			
	Order Clerks and Stock Clerks			Property and Real Estate			
	Payroll and Timekeeping clerks			Public Relations Manager			
	Receptionists			Purchasing Manager and			
	taries		Regulatory Affairs Specia				
	ing and Receiving Clerks			Social and Community Se			
Typis				Storage and Distribution N			
	ulated Credit # Dual Credit	<u> </u>		-	-		Revised 2/26/2016

Revised 2/26/2016



Education & Training

Career Cluster Program of Study Template
www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements 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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Spanish I Career & Leadership Connection		School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
dary	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Graphic Arts Spanish Computer Appl Adv Computer Appl FCCLA Leadership Career & Leadership Connection		Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Child Development I&II Family Relations Speech* Spanish Teacher's Aide Hannah Cole Aide Multimedia Career & Leadership Connection		Placement Assessments: Compass Test ACT PSAT SAT ASVAB Other: Student Organizations:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology* Sociology Criminal Justice Current Events Western Civilization I & II*	Spanish Speech Teacher's Aide Hannah Cole Aide Career & Leadership Connection Humanities		□ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

		Postsecondary Offerings - I	For A Complete L	isting, go to <u>www.missou</u>	uriconnections.org.		
	Community College	Technical School/Training Institution		In S	State		Out of State/Other
Postsecondary	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.stcc.edu State Fair Community College www.stcc.edu Three Rivers Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Central College ww.eastcentral.edu rson College ww.jeffco.edu popolitan Community College ww.mcckc.edu ral Area College ww.mineralarea.edu rol Central Missouri College ww.ncmissouri.edu rol Central Missouri College ww.stc.edu rol Central Missouri.edu rol Central Missouri College ww.stchas.edu wis Community College ww.stchas.edu wis Community College www.stcc.edu rair Community College www.stcc.edu rol Central Missouri.edu Missouri.edu wis Community College www.stcc.edu rol Central Missouri.edu Missouri.edu wis Community College www.stcc.edu ww.stcc.edu ww.stcc.edu rol Central Missouri.edu Missouri.edu wis Community College www.stcc.edu www.stcc.edu www.stcc.edu wis Community College www.stcc.edu		- www.avila.edu st University Imethodist.edu zarks - www.coto.edu ge - www.ccis.edu www.cottey.edu I College edu I - www.drury.edu sity - www.evangel.edu - www.fontbonne.edu nge College Jate Univ - www.lincolnu.edu ity - www.lincolnu.edu ity - www.lincolnu.edu sity - www.lincolnu.edu ity - www.mobap.edu ity - www.mobap.	Northwest Missouri State Uni www.nwmissouri.edu Park University - www.park.et Rockhurst University www.rockhurst.edu Saint Louis Univ - www.imagi St Louis Christian College www.slcconline.edu Southeast MO State University www.semo.edu Southwest Baptist University www.semo.edu Stephens College - www.step Truman State Univ - www.trut Univ of Central MO - www.uc University of MO - Columbia www.missouri.edu University of MO - St Louis www.umkc.edu University of MO - St Louis www.umsl.edu Washington University - www Westminster College www.westminster-mo.ed Webster University www.websteruniv.edu William Jewell College - www. William Woods University www.williamwoods.edu	y hens.edu nan.edu mo.edu ty wustl.edu iewell.edu	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
						<u>nections.org</u>	
Coache	On-The-Job Training or Less sual Specialists s and Scouts Assistant		te Degree		ors Degree ation Instructors ducation, GED Teachers ers ists	Adult and Vo Audiologists Coaches an College and Curriculum a Dieticians an Education A Historians	d Scouts University Administrators and Instruction nd Nutritionists dministrators Coordinators chologists



Boonslick Technical Career Center Finance

Career Cluster Program of Study Template www.btec.boonville.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.

						Required Courses, Elective	Boonslick Technical Career	Additional
	Grade	English	Math	Science	Social Studies	Options	<u>Center</u>	Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Health Fine Art Spanish Computer Apps. Intro to Business Career & Leadership Connection	Marketing	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
ary	10	Com Arts II	Geometry	Biology	World Geography/ World History	Personal Finance Comp App/Adv. Comp Business Econ Spanish Business Sports Management Career & Leadership Connection	Adv Marketing Retail Marketing Fashion Marketing Sports & Entertainment Mkt. Hosp., Travel, & Tourism Entrepreneurship	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA)
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Accounting I Business Econ Business Law Speech* Spanish Business Sports Management Career & Leadership Connection	Agricultural Economics and Management Information Tech I Computer Networking Lab Medical Terminology Marketing Internship Retail Marketing Fashion Marketing Hosp., Travel, & Tourism	Placement Assessments: Compass Test ACT PSAT SAT ASVAB Other:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Government Criminal Justice Current Events Western Civilization I & II*	Business Law Business Economics Business Law Accounting II Spanish Business Sports Management Career & Leadership Connection	Agricultural Economics and Management Information Tech I & II Computer Networking Lab Medical Terminology Retail Marketing Fashion Marketing Hosp., Travel, & Tourism	Student Organizations: FBLA FFA FCCLA SkillsUSA DECA HOSA JROTC

		Postsecondary Offerings	– For A Co	omplete Listing, go to www.misso	ouriconnections.org		
	Community College	Technical School		In Si	ate		Out of State/Other
Postsecondary	Crowder College	Columbia College of Culver-Ste www DeVry Uni Drury Uni Evangel L Everest C www Fontbonn Hannibal- www Hickey Co Lincoln U Lindenwo Maryville www. Missouri o www Missouri o		v.everest-college.com ne Univ - www.fontbonne.edu -Lagrange College v.hlq.edu ollege - www.hickeycollege.edu University - www.lincolnu.edu ood Univ - www.lindenwood.edu University of St. Louis v.maryville.edu College v.missouricollege.com hern State University v.mssu.edu State University V.missouristate.edu Valley College v.moval.edu Western State University Western State University www.western.edu Univ of MO – Columbia www.missouri.edu University of MO – Kansas www.umkc.edu Univ of MO – St Louis vww.umkc.edu Univ of MO – St Louis www.umkc.edu Univ of MO – Solla – www. Washington University - www.websteruniv.edu Wester University - www.westminster College www.westminster College www.www.westminster-mo.e William Woods University www.williamwoods.edu Vatterott College www.vatterott-college		uversity .stephens.eduv.truman.eduv.truman.edu as City w.umr.eduv.ww.umsl.edu www.umsl.eduv.ww.umsl.eduv.ww.umsl.eduv.ww.umsl.eduv.www.jewell.eduv.y	Apprenticeship Military On-the-Job Training Colorado Technical University www.coloradotech.com National American University www.national.edu
			upational S			riconnections.or	
Bill a Broke Cred Insur Insur Insur Loan Tax F	On-the-Job Training Tellers and Account Collectors erage Clerks It Checkers and Authorizers ance Adjusters and Examiners ance Claims Clerk ance Policy and Claims Clerks Clerks Preparers Examiners and Searchers	Claims Examiners, Property and Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters	ce	Bachelors D Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople	egree	Actuaries Business Teache Economists Treasurers and (Masters Degree or More er, Postsecondary Controllers



Government & Public Administration

Career Cluster Program of Study Template www.btec.boonville.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.

			scoolidary ordan.					
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Boonslick Technical Career Center	Additional Learning Opportunities
	9	9 Com Arts I Algebra I		Science		PE Fine Art Health Practical Art Spanish	JROTC 1 Entrepreneurship	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
dary	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Spanish Computer Appl Adv Computer Appl Business Law Business Mgmt FCCLA Leadership	JROTC 2 Entrepreneurship	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Speech* Spanish Business Economics Accounting I	JROTC 3 Entrepreneurship	Placement Assessments: L Compass Test L ACT L PSAT L SAT L ASVAB L Other: Student Organizations:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology* Sociology Criminal Justice Current Events Western Civilization I & II*	Spanish Accounting II Business Economics	JROTC 4 Entrepreneurship	□ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

		Postsecondary Offerings -	- For A Complete	Listing, go to www.miss	ouriconnections.org		
	Community College	Technical School/Training Institution		In S	State		Out of State/Other
Postsecondary	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	www.maryvill Missouri Baptist www.mobap.	Lu st University methodist.edu zarks u e L College edu du ity L.edu -college.edu ersity ne.edu tte University du ty Ledu versity wood.edu sity of Saint Louis e.edu University edu rn State University du niversity	Missouri Valley College www.moval.edu Missouri Western State Unive www.missouriwestern.edu Northwest Missouri State Unive 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.semo.edu Stephens College www.stephens.edu Truman State University www.truman.edu University of Central Missouri www.ucmo.edu University of MO - Columbia www.umsc.edu University of Missouri - Kans www.umkc.edu University of MO - St Louis www.umsl.edu Washington University www.wustl.edu Webster University www.webster.edu	versity	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 Occu	pational Specialt	ies, go to www.careerclu	sters.org or www.missouricor	nections.or	1
	On-The-Job Training or Less	Technical Training or Associ	ate Degree	Bache	elors Degree		Masters Degree or More
Gove Inter Licer Mail Mete	pliance Officers and Inspectors ernment Benefits Interviewers oreters and Translators ase Clerks Carriers r Readers al 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 N Broadcast News Analysts City and Regional Plannin Emergency Management Equal Opportunity Repres Financial Examiners Legislators Reporters and Correspor Social and Community Social and Community Social and Community Social and Regional Plan	s & Public Relations Specialists on Aides Specialists Sentatives and Officers Idents Pervice Managers Managers	Chief Execu Communica Coroners Economists Engineering	tions Teachers, Postsecondary Managers ence Teachers, Postsecondary



Health Sciences

Career Cluster Program of Study Template www.btec.boonville.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	Boonslick Technical Career	Additional
	Grade	· ·				Options	<u>Center</u>	Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Spanish Career & Leadership Connections		School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
,	10	Com Arts II	Geometry	Biology	World Geography or World History	PE Personal Finance Spanish Computer Apps. Adv. Computer Apps. Foods I & II	Intro to Health Science Current Health Events	Community Based: Mentorship Volunteer Part-time Employment Other:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science,	Government	PE Child Development I & II Family Relations	Current Health Events Health Science I Lab ◆ Intro to Health Science	☐ Technical Skills Attainment (TSA)☐ Other: ☐ Placement Assessments:
Se				Chemistry		Spanish Foods I & II	Medical Math Medical Terminology I&II* Mental Health Issues	 Compass Test ACT PSAT SAT ASVAB Other: Student Organizations:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	PE Spanish Speech* Foods I & II	Current Health Events Health Science I & II Lab ◆ Intro to Health Science Medical Math Medical Terminology I&II* Mental Health Issues	□ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

			Postsecondary Of	ferings - For A Complete	Listing go to www	v.missouriconnections.org.	
	Community College	Technical So	chool/Training Institution	l l l l l l l l l l l l l l l l l l l		tate	Out of State/Other
	Crowder College		u Career/Tech Center	AT Skill University of Hea		Missouri Valley College –www.moval	
	www.crowder.edu		k12.mo.us/cc/default.htm	www.atsu.edu		Missouri Western State University	Military
	East Central College	Cass Career Co		Avila University - www.av	rila.edu	www.missouriwestern.edu	On-the-Job Training
	www.eastcentral.edu	www.harris	sonville.k12.mo.us	Bryan College - www.brya		Northwest Missouri State University	Allied College - www.hightechinstitute.edu
	Jefferson College	Columbia Care	eer Center	Central Methodist University	sity	www.nwmissouri.edu	Barnes-Jewish College of Nursing & Allied
	www.jeffco.edu	www.caree	er-center.org	www.centralmethodi		Park University - www.park.edu	Health - www.barnesjewishcollege.edu
	Metropolitan Comm College	Four Rivers Te	chnical Center	College of the Ozarks - w	ww.coto.edu	Patricia Stevens College	Cleveland Chiropractic College
	www.mcckc.edu	www.wash	nington.k12.mo.us	Columbia College - www.ccis.edu		www.patriciastevenscollege.edu	www.cleveland.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 Mineral Area College www.macc.edu Herndon Career Center www.herndoncareercenter.com Hillyard Technical Center www.hillyardtech.com Kennett Career and Technology Center www.kennett.k12.mo.us			Culver-Stockton College		Rockhurst University -	Colorado Tech Univ www.coloradotech.com
				Drury University - www.dr		www.rockhurst.edu	Cox Health - www.coxhealth.com
>				Evangel University - www	ı.evangel.edu	Saint Louis Univ - www.imagine.stu.e	Chamberlain College of Nursing
ar				Everest College		Sanford-Brown College	www.chamberlain.edu
p	North Central MO College	Hillyard Techn		www.everest-college.		www.sanford-browncollege.com	Tieritage con - www.neritage-conege.com
	www.ncmissouri.edu		ardtech.com	Fontbonne Univ - www.fo		Southeast MO State Univ -www.semo	Cox comogo or runsing a ricatar colorido
\sim	Ozarks Tech Comm College		and Technology Center	Hannibal-Lagrange Colleg	ge	Southwest Baptist Univ -www.sbuniv	WWW.00X00H0q0:0dd
(e)	www.otc.edu		ett.k12.mo.us	www.hlq.edu Harris-Stowe State Univ -		Stephens College - www.stephens.ed	
Sts	St. Charles Comm College www.stchas.edu	Lex La-Ray Tec	cn Car - iton.k12.mo.us	Lincoln University - www.		Truman State Univ - <u>www.truman.edu</u> Univ of Central MO - <u>www.ucmo.edu</u>	Editional Control of Harsing
	St Louis Community College	Moberly Area T		Lindenwood University - www.		Univ of MO – Columbia -www.missouri	WWW.iidi Sirig Sono Commo.com
Po	www.stlcc.edu		rly.k12.mo.us	Maryville Univ of St. Loui		Univ of MO – Kansas City www.umkc	Ransas City Offiv of Mica & Diosciclices
	State Fair Community College	eer Center	www.maryville.edu	3	Univ of MO – St Louis - www.umsl.ed		
	www.sfccmo.edu		nlandcareercenter.com	Missouri College		Univ of Phoenix – www.phoenix.edu	Research wed our School of Nuclear wed
	Three Rivers Comm College	Northwest Tecl		www.missouricollege	e.com	Vatterott College	www.researchmedicalcenter.com St John's Reg Health Car -www.stjohns.com
	www.trcc.edu		rille.k12.mo.us	Missouri Baptist Univ - <u>www.mobap.edu</u> MO Southern State Univ - <u>www.mssu.edu</u> Missouri State University		www.vatterott-college.edu	Saint Luke's College - www.saint-lukes.org
			chools - www.r1schools.org			Washington University - www.wustl.ed	St Louis College of Health Careers
			er and Technology Center			Webster University - www.websteruniv	vww.slchc.com
			ston.k12.mo.us	www.missouristate.e			St Louis Coll Pharmacy - <u>www.stlcoop.edu</u>
		South Central	Career Center	Missouri State University	 West Plains 	William Woods University	Southeast MO Hospital College of Nursing
			s.k12.mo.us	www.wp.missouristat	<u>e.edu</u>	www.williamwoods.edu	www.souteastmissourihospital.com
			echnical Academy				Truman Med Ctr School - Nurse Anesthesia
		<u>www.wayn</u>	nesville.k12.mo.us				www.trumed.org
					es, go to www.ca	reerclusters.org or www.missouricon	
	On-The-Job Training or L	ess	Technical Training o			Bachelors Degree	Masters Degree or More
	al Assistants		Cardiovascular Technologists	;	Administrative Se	rvices Managers	Athletic Trainers, Physical and Occupational Therapists
	al Laboratory Technicians		Dental Hygienists		Athletic Trainers		Biologists, Physicists, Hydrologists, Epidemiologists
	e Health Aides		Emergency Medical Technicia		Biomedical Engin		Clinical Psychologists and Mental Health Counselors
	cal Appliance Technicians		Health Information Technician	ns .	Computer Progra		Computer and Information Scientists, Research
	cal Assistants		Licensed Practical Nurses			re Engineers, Applications	Dietitians and Nutritionists
	cal Equipment Preparers		Medical Laboratory Technicia	ns	Dietitians		Farm and Home Management Advisors
	cal Secretaries		Medical Sonographers		Health Educators		Health Specialties Teachers, Postsecondary Home Economics Teachers, Postsecondary
	onal and Home Care Aides macy Aides		Medical Transcriptionists Nursing Assistants		Medical Laborato	cal Laboratory Technologists	Medical and Health Services Managers
			Occupational Therapist Assis	tants		olth and Safety Specialists	Medical Scientists, Except Epidemiologists
	rmacy Technicians Occupational Therapist Assi sical Therapist Aides Physical Therapist Assistant			Orthotic and Pros		Natural Sciences Mgrs, Zoologists and Wildlife Biologists	
, ,	chiatric Aides Radiation Therapist Assistant				Petroleum Engine		Nurse Anesthetists and Physician Assistants
. 350	Radialori Therapists Radiologic Technologists				Public Relations		Orthotics and Prosthetics
	Registered Nurses				Recreational The		Pharmacists
			Respiratory Therapists		Rehabilitation Co		Speech-Language Pathologists
			Surgical Technologists			-	Communications Teachers, Postsecondary
			Veterinary Technologists and	Technicians			Veterinarians
			, , , , , , , , , , , , , , , , , , , ,		1		



Hospitality & Tourism

Career Cluster Program of Study Template
www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements 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	Boonslick Technical Career Center	Additional Learning Opportunities
	9 Com Arts I Algebra I		Algebra I	gebra I Physical American History Science		PE Marketing Fine Art Entrepreneurship Health Practical Art Spanish Graphic Arts Yearbook		School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
dary	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Spanish Foods I & II Computer Apps. Adv. Graphic Arts Intro to Business Business Economics Newspaper Yearbook	Entrepreneurship Ad. Marketing Global Marketing Retail Marketing Hospitality, Travel & Tourism	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:
Secondary	11	Com Arts III	Algebra II	Botany Zoology Chemistry, Earth Science	Government	Business Law Accounting I Foods I & II Web Design Spanish Business Mgmt. Newspaper Yearbook Humanities	Marketing Internship Entrepreneurship Marketing Retail Marketing Hospitality, Travel & Tourism Entrepreneurship	Placement Assessments: Compass Test ACT PSAT SAT ASVAB Other: Student Organizations:
	12	Com Arts IV Or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg * Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Speech* Accounting II Foods I & II Spanish Multimedia Newspaper Yearbook Humanities	Marketing Internship Entrepreneurship Marketing Retail Marketing Hospitality, Travel & Tourism	□ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

	Postsecondary Offerings -	For A Complete				T
Community College	Technical School/Training Institution		In Si	tate		Out of State/Other
Crowder College	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Gibson Technical Center www.wolves.k12.mo.us/gtc Lake Career and Technical Center www.camdentonschools.org Lebanon Technology Career Center www.lebanon.k12.mo.us Macon Area Vocational Technical School www.macon.k12.mo.us/vocational Northland Career Center www.northlandcareercenter.com Northwest Tech School www.maryville.k12.mo.us Nevada Regional Technical Center www.nevada.k12.mo.us.us Pemiscot County Career & Tech Car South Central Career Center www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	College of the Occolor Columbia College Culver-Stockton Www.culver.ed Drury University Evangel University Evangel University Lincoln University Lincoln University Lindenwood Unit Missouri Baptist MO Southern Stawww.mssu. Missouri State U www.missouri State U www.missouri Valley www.moval. Missouri Western www.missouri Western www.missouri Western www.missouri State U www.missouri Western www.missouri West	st University Imethodist.edu zarks - www.coto.edu e - www.ccis.edu College edu - www.drury.edu ity - www.fontbonne.edu ty - www.lincolnu.edu v - www.lindenwood.edu Univ - www.mobap.edu ate University edu niversity uristate.edu College edu n State University uriwestern.edu ouri State University	Park University - www.parl Rockhurst University - www.rockhurst.edu Saint Louis Univ - www.im Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.s Truman State Univ - www.l Univ of Central MO - www University of MO - Columb www.missouri.edu Univ of MO - Kansas City www.umkc.edu Univ of MO - St Louis - ww Washington University - www.websteruniv.edu Wester University www.websteruniv.edu Westminster College www.westminster-mo William Jewell College - ww William Woods University www.williamwoods.edu	ephens.edu ruman.edu ucmo.edu ia w.umsl.edu ww.wustl.edu	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
 Sar	I mple Careers By Educational Level - For Occu	<u>l</u> pational Specialti	es, go to www.careerclus		connections.or	rg
On-The-Job Training or Less	Technical Training or Associa		Bache	lors Degree		Masters Degree or More
nusement and Recreation Workers aggage Porters and Bellhops artenders asino Gaming Workers aefs and Dinner Cooks ancierges aunter Attendants ast Food Cooks and Preparation Workers atel Desk Clerks anitors and Cleaners acten Helpers aids and Housekeepers affects and Athletes accreation Attendants accreation Guides accreation Workers	Animal Trainers Casino Gaming Workers First-Line Supervisors/Managers of Hou Janitorial Workers Flight Attendants Food Service Managers Lodging Managers Reservation and Transportation Ticket A Clerks Residential Advisors Self Enrichment Education Teachers Travel Agents		Interpreters and Translato Meeting and Convention R Recreation Workers Set and Exhibit Designers Social and Community Se	Planners	Farm and F	Home Management Advisors

Restaurant Hosts Tour Guides

Umpires and Referees Waiters and Waitresses



Boonslick Technical Career Center Human Services

Career Cluster Program of Study Template www.btec.boonville.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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	Health Fine Art Practical Art Spanish Graphic Arts Career & Leadership Connections FACS I & II	Marketing JROTC 1	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
ry	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Family Relations Graphic Arts/Adv Child Development Computer Apps. Adv. Computer Apps. FACS I & II	Current Health Events Intro to Health Science Adv. Marketing Retail Marketing Hosp., Travel & Tourism JROTC 2	Community Based: Mentorship Volunteer Part-time Employment Other:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Graphic Arts/Adv Business Law Teacher's Aide Hannah Cole Aide	Intro to Health Science Mental Health Issues Retail Marketing Marketing JROTC 3	☐ Technical Skills Attainment (TSA) ☐ Other: ☐ Placement Assessments: ☐ Compass Test ☐ ACT ☐ PSAT
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg * Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Business Mgmt. Teacher's Aide Hannah Cole Aide Speech*	Intro to Health Science Mental Health Issues Retail Marketing JROTC 4	♣ SAT ♣ ASVAB ♣ Other: Student Organizations: □ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

		Postsecondary Offerings -	Listing, go to <u>www.miss</u>	ouriconnections.org				
	Community College	Technical School/Training Institution		In S	tate		Out of State/Other	
Postsecondary	Crowder College		Allied College - www.alliedcollege.edu Avila University - www.avila.edu Central Bible College - www.cbcag.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu College of the Ozarks - www.coto.edu College of the Ozarks - www.coto.edu 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.hlq.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 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.slcconlin.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.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO - Columbia		Apprenticeship Military On-the-Job Training Aquinas Institute of Theology www.ai.edu Assemblies of God Theological Seminary – www.aqts.edu Calvary Bible College & Theological Seminary – www.calvary.edu Chillicothe Beauty Academy www.chillicothecosmetology.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	
Posts		Professional Massage Training Center	Messenger Colle www.messen Metro Business (www.metrobe Midwest Univers Missouri Baptist Missouri College www.missou Missouri College www.missou MO Southern Sta www.mssu.e Missouri State Univers Missouri State Univers Wissouri State Univers Wissouri State University	ge gercollege.edu College usinesscollege.edu ity - www.midwest.edu Univ - www.mobap.edu ricollege.com of Cosmetology ricosmo.com ate University du niversity uristate.edu	Univ of Central MO - www.uci University of MO - Columbia www.missouri.edu University of MO - Kansas Cii www.umkc.edu Univ of MO - St Louis - www.t Vatterott College www.vatterott-college.edi Washington University - www. Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edi William Woods University	ty umsl.edu uwstl.edu	www.elainestevenbeautycollege.com	
			Missouri Valley C		www.williamwoods.edu		www.nts.edu St Paul School of Theology	
		0			<u> </u>		www.spst.edu	
-		Careers By Educational Level – For Occu Technical Training or Associ				nnections.or		
Custo	On-The-Job Training or Less Care Workers mer Service Representatives	Barbers Embalmers and Funeral Director	ате редгее	Addiction Counselors Director, Religious Activit			Masters Degree or More Organizational Psychologists	
Laund Lifegu Worke Resid	al Attendants dry and Dry Cleaning Workers lards and Other Recreational Protective Service ers ential Counselors I and Human Service Assistants	Government Programs Hairstylists and Cosmetologists Manicurists Preschool Teacher Professional Makeup Artists Residential Advisors Skin Care Specialists Social and Human Service Assistants	Government Programs Hairstylists and Cosmetologists Manicurists Preschool Teacher Professional Makeup Artists Residential Advisors Skin Care Specialists		Early Childhood Educator Financial Counselors Health Educators Recreation Workers Rehabilitation Counselors Social and Community Service Manager Social Workers		Marriage and Family therapists Mental Health Counselors Psychologists Rehabilitation Counselors School Counselors Social Workers Substance Abuse and Behavioral Disorder Counselors Teachers, Postsecondary	



Information Technology
Career Cluster Program of Study Template
www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements 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	Boonslick Technical Career Center	Additional Learning Opportunities
	9 Com Arts I		Com Arts I Algebra I		Physical American History Science		Computer Game Simul. & Programming	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
dary	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Graphic Arts/Adv Career & Leadership Connections	Computer Game Simulation & Programming	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA)
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science, Chemistry	Government	Multimedia Spanish I Web Design Career & Leadership Connections	Computer Game Simulation & Programming Computer Networking Lab Information Technology Medical Terminology Medical Math	☐ Other: ———————————————————————————————————
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Web Design Multimedia Spanish II Career & Leadership Connections	Computer Networking Lab Information Technology Medical Terminology I&II Medical Math	♣ ASVAB ♣ Other: Student Organizations: □ FBLA □ FFA □ FCCLA □ SkillsUSA □ DECA □ HOSA □ JROTC

		Postsecondary Offerings	- For A Complete	Listing, go to <u>www.miss</u>	ouriconnections.org		
	Community College	Technical School/Training Institution		In:	State		Out of State/Other
Postsecondary	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		A.T. Skill Univers www.atsu.ee Avila University Bryan College - 1 Central Methodis www.central College of the Or Columbia College Culver-Stockton www.culver.edu DeVry University Drury University Evangel Univers Everest College www.everes Fontbonne Univ Hannibal-Lagran www.hlq.ed Harris-Stowe Sta Hickey College - Lincoln Universi Lindenwood Uni Maryville Univ of www.maryvi Missouri College www.missou MO Southern Sta www.mssu. Missouri State U www.missou Missouri State U www.missou	In : sity of Health Sciences du - www.avila.edu www.bryancollege.com st University methodist.edu rarks - www.coto.edu e - www.ccis.edu College www.devry.edu - www.drury.edu ity - www.evangel.edu tt-college.com - www.fontbonne.edu ge College u te Univ - www.hssu.edu www.hickeycollege.edu ty - www.lincolnu.edu v - www.lindenwood.edu St. Louis Ile.edu Univ - www.mobap.edu uricollege.com te University edu niversity uristate.edu Iniversity - West Plains ssouristate.edu		uversity du ge.com y nan.edu mo.edu ty r.edu umsl.edu nix.edu u wustl.edu	Out of State/Other 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.pcitraining.edu Texas County Technical Institute www.texascountytech.edu
			www.moval.e		<u> </u>		
	Sample On-the-Job Training or Less	e Careers By Educational Level – For Occu Technical Training or Associ			<u>sters.org or www.missouricor</u> elors Degree	inections.or	Masters Degree or More
	On the Job Halling of Ecos	Computer Operators Computer Support Specialists Network Systems and Data Communic Numerical Tool and Process Control Pr Web Administrators Web Developers	Computer and Information Computer Engineers Computer Programmers		ion Systems Managers Comp Comp S cialists gineers ministrators alysts analysts S Animators		Minformation Scientists, Research Science Teachers, Postsecondary g Managers



Law, Public Safety, Corrections & Security Career Cluster Program of Study Template

www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements

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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Career & Leadership Connections	JROTC I	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
ary	10	Com Arts II	Geometry	Biology	World Geography/ World History	PE Personal Finance Family Relations Child Development Business Mgmt. Career & Leadership Connections	Intro to Health Science Mental Health Issues JROTC II	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA)
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	PE Accounting I Business Law Computer Apps. Adv. Computer Apps. Humanities Career & Leadership Connections	Conservation & Natural Resources ◆ Health Science I Lab ◆ Intro to Health Science Mental Health Issues JROTC III	Olther: Placement Assessments: **Compass Test** ACT** PSAT** SAT** ASVAB** Other:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	PE Accounting II Speech* Humanities Career & Leadership Connections	Health Science I & II Lab ♦ Intro to Health Science Mental Health Issues JROTC IV	Student Organizations: FBLA FFA FCCLA SkillsUSA DECA HOSA JROTC

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		Postsecondary Offerings	- For A Complete L	isting, go to <u>www.misso</u>	ouriconnections.org		1
	Community College	Technical School/Training Institution		In	State		Out of State/Other
	Crowder College	Cape Girardeau Career/Tech Center	Avila University -	www.avila.edu	Park University - www.park.ed	<u>lu</u>	Apprenticeship
	www.crowder.edu	www.cape.k12.mo.us/cc/default.htm		arks - <u>www.coto.edu</u>	Patricia Stevens College		Military
	East Central College	Columbia Career Center	Columbia College		www.patriciastevenscolle	<u>ge.edu</u>	On-the-Job Training
	www.eastcentral.edu	www.career-center.org	Drury University	- <u>www.drury.edu</u>	Rockhurst University		3
	Jefferson College	Grand River Tech School - <u>www.grts.org</u>		ty - <u>www.evangel.edu</u>	www.rockhurst.edu		Allied College
	www.jeffco.edu	Hillyard Technical Center	Everest College		Saint Louis Univ - www.imagir	<u>ne.stu.edu</u>	www.alliedcollege.du
	Linn State Technical College	www.hillyardtech.com	www.everest-		Sanford-Brown College		High Tech Institute
_	www.linnstate.edu	Rolla Technical Institute	Hannibal-Lagrang		www.sanford-browncolled		www.hightechinstitute.edu
econdary	Metropolitan Community College www.mcckc.edu	www.rolla.k12.mo.us Sikeston Career and Technology Center	www.hlq.edu Hickey College		Southeast MO State University	У	National American University
1 20	Mineral Area College	www.sikeston.k12.mo.us	www.hickevo	collogo odu	www.semo.edu Southwest Baptist University		<u>www.national.edu</u>
	www.mineralarea.edu	Waynesville Technical Academy		/ - <u>www.lindenwood.edu</u>	www.sbuniv.edu		Texas County Technical Institute
0	Moberly Area Community College	www.waynesville.k12.mo.us	Maryville Univers		Univ of Central MO - www.ucr	mo edu	www.texascountytech.edu
1 8	www.macc.edu	www.waynesviiie.ktz.iiio.as	www.maryvil		University of MO – Columbia	no.cuu	
S	North Central MO College		MO Southern Sta		www.missouri.edu		
Sts	www.ncmissouri.edu		www.mssu.e	3	University of MO – Kansas Cit	V	
Po	Ozarks Tech Community College		Missouri State Ur	niversity	www.umkc.edu	,	
Δ	www.otc.edu		www.missou	<u>ristate.edu</u>	Univ of MO - St Louis - www.u	ımsl.edu	
	St. Charles Community College		Missouri State Ur	niversity - West Plains	Univ of Phoenix - www.phoen	ix.edu	
	www.stchas.edu			souristate.edu	Vatterott College		
	St Louis Community College		Missouri Westerr		www.vatterott-college.edu		
	www.stlcc.edu		<u>www.missou</u>	<u>riwestern.edu</u>	Washington University - www.	<u>wustl.edu</u>	
	State Fair Community College				Webster University -		
	www.sfccmo.edu				www.websteruniv.edu		
	Three Rivers Community College				William Woods University		
	<u>www.trcc.edu</u>				www.williamwoods.edu		
	Commis	Carooro Dy Educational Laval For Car	unational Cnasistic	oo aa ta uuuu aaraarah	otoro ora or ununu mico curican	nootiono ere	<u> </u>
		Careers By Educational Level - For Occu				nections.org	
Amb	On-The-Job Training or Less ulance Drivers	Technical Training or Associ	ate Degree	Arbitrators and Mediators	elors Degree	Anthropolog	Masters Degree or More
	uidite Diiveis al Control Workers	Court Paparters				Anthropology and Archeology Teachers, Postsecondary Child, Family, and School Social Workers	

	eers by Educational Level - For Occupational Speciality		
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Ambulance Drivers	Correctional Officers and Jailers	Arbitrators and Mediators	Anthropology and Archeology Teachers, Postsecondary
Animal Control Workers	Court Reporters	Coroners	Child, Family, and School Social Workers
Bailiffs	Emergency Medical Technicians and Paramedics	Correctional Treatment Specialists	Criminal Justice and Law Enforcement Teachers,
Corrections Officers	Fire Inspectors	Criminal Investigators and Special Agents	Postsecondary
Court Clerks	Fire Investigators	Emergency Management Specialists	Lawyer
Crossing Guards	First-Line Supervisors/Managers of Police and Detectives	Forensic Science Technicians	Psychology Teachers, Postsecondary
Fire Fighters	Forest Fire Fighting and Prevention Supervisors	Immigration and Customs Inspectors	
Forest Fire Fighters	Forest Fire Inspectors and Prevention Specialists	Judges and Hearing Officers	
Gaming Surveillance Officers and Gaming Investigators	Legal Secretaries	Law Clerks	
Life Guards and Ski Patrollers	Municipal Fire Fighting and Prevention Supervisors	Probation Officers	
Parking Enforcement Officers	Paralegals and Legal Assistants		
Parking Enforcement Workers	Police Detectives		
Police, Fire, and Ambulance Dispatchers	Police Identification and Records Officers		
Security Guards	Police Patrol Officers		
Sheriffs	Private Detectives and Investigators		
Transportation Security Agents	Sheriffs and Deputy Sheriffs		
	Title Examiners, Abstractors, and Searchers		
	Transit and Railroad Police		



Manufacturing Career Cluster Program of Study Template www.btec.boonville.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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Intro to Business Career & Leadership Connections	Intro to Woodworking Tech	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
ndarv	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Computer Apps. Adv. Computer Apps. Business Economics Career & Leadership Connections	Intro to Woodworking Tech	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA)
Socono	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Business Mgmt. Business Economics Career & Leadership Connections	Agricultural Construction Ag Power Intro to Woodworking Tech CAD I Adv. Construction Tech Entrepreneurship Sustainable Energy	□ Other:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Business Economics Career & Leadership Connections	Agricultural Construction Ag Power Intro to Woodworking Tech CAD II Adv. Construction Tech Sustainable Energy Theory & Lab	Student Organizations: FBLA

		Darker and an Official	F A C	1 1-41			
	Community College	Technical School/Training Institution	ngs – For A Complete		ssouriconnections.org State		Out of State/Other
Postsecondary	Crowder College	Carrollton Area Career Center www.trojans.k12.mo.us Eldon Career Center www.eldoncareercenter.org Grand River Technical School www.grts.org Herndon Career Center www.herndoncareercenter.com Hillyard Technical Center www.hillyardtech.com Lamar Area VoTech www.lamar.k12.mo.us Lex La-Ray Tech Center www.lexington.k12.mo.us Kirksville Area Tech Center www.kirksville.k12.mo.us North Central Career Center www.shr2.k12.mo.us Northland Career Center www.northlandcareercenter.com Northwest Tech School www.maryville.k12.mo.us Perryville Area Career/Tech Center www.perryville.k12.mo.us Ranken Tech College - www.ranken.edu South Central Career Center www.wphs.k12.mo.us Southwest Area Career Center	Avila University - www. Baptist Bible College Bryan College - www. Central Methodist Unwww.centralmeth College of the Ozarks Columbia College - wCulver-Stockton College of the Ozarks Columbia College - wCulver-Stockton College University - www. Evangel University - wCulver-Stockton College University - wCulver-Stockton College Www. Fontbonne Univ - wWW. Hannibal-Lagrange College Www.hickeycollege.e. Lincoln University - wCulversity	w.avila.edu - www.baptist.edu - bryancollege.ecom iversity nodist.edu - www.coto.edu ww.ccis.edu ege - www.culver.edu w.drury.edu www.evangel.edu veverest-college.edu wfontbonne.edu ollege - www.hlq.edu niv - www.hssu.edu du ww.lincolnu.edu ww.lindenwood.edu Louis du college.edu / - www.mobap.edu e.com niv - www.mssu.edu rsity ate.edu rsity - West Plains ristate.edu	MO University of Science & Tecl 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.roc Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege Southeast MO State Univ - www. Southwest Baptist Univ - www.sl Stephens College - www.stephe Truman State Univ - www.truma Univ of Central MO - www.ucmo Univ of MO - Columbia - www.mi Univ of MO - St Louis - www.mi Univ of MO - St Louis - www.um University of Phoenix - www.ph Vatterott College - www.vatterott college.edu Washington University - www.webste Westminster College www.westminster-mo.edu William Jewell College - www.jev William Woods University www.williamwoods.edu	ity rsity khurst.edu .com .semo.edu buniv.edu ns.edu ns.edu o.edu ssouri.edu umkc.edu nsl.edu oenix.edu eruniv.edu vell.edu	Apprenticeship Military On-the-Job Training Colorado Technical University www.coloradotech.com DeVry University www.drury.edu Foley-Belsaw Institute www.foley-belsaw.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu National American University www.national.edu Texas County Technical Institute www.texascountytech.edu
	On-The-Job Training or Less	nple Careers By Educational Level – For C Technical Training or Ass			<u>llusters.org</u> or <u>www.missouricon</u> helors Degree	inections.or	Masters Degree or More
Cran	a and Towar Operators	Automotiva Flactronics Installars		Chamical Engineers	= -: -: -: -: -:		

Sample Car	eers By Educational Level - For Occupational Specia	lties, go to <u>www.careerclusters.org</u> or <u>www.missourico</u>	nnections.org
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Crane and Tower Operators	Automotive Electronics Installers	Chemical Engineers	
Hoist and Winch Operators	Computer, ATM, and Office Machine Repairers	Occupational Health and Safety Specialists	
Locksmiths	Electric Motor Repairers	Safety Engineers	
Machinists	Home Electronics Repairers		
Metal and Plastic Processing Workers	Industrial Electronics Repairers		
Operating Engineers and Construction Equipment	Jewelers		
Operators	Manufacturing Production Technicians		
Painting and Coating Machine Operators	Security and Fire Alarm Systems Installers		
Power Plant Operators	Semiconductor Processing Operators		
Precision Assemblers	Welders and Solderers		
Quality Control Inspectors	Welding and Soldering Machine Operators		
Small Engine Mechanics			
Tailors			
Tire Building Machine Operators			
Tool and Die Makers			
Tool Grinders			
Upholsterers			
Vehicle Painters			
Woodworking Machine Operators			



Marketing
Career Cluster Program of Study Template
www.btec.boonville.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY Minimum Graduation Requirements 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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Health Intro to Business Graphic Arts Spanish Career & Leadership Connections	Marketing Entrepreneurship	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
ıry	10	Com Arts II	Geometry	Biology	World Geography/ World History	Personal Finance Business Economics Multimedia Graphic Arts/Adv Spanish Career & Leadership Connections	Adv. Marketing Fashion Marketing Retail Marketing Sports & Entertainment Marketing	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications:
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Spanish Multimedia Career & Leadership Connections Humanities	Marketing Internship Entrepreneurship Fashion Marketing Retail Marketing Sport & Entertainment Marketing	☐ Technical Skills Attainment (TSA) ☐ Other: ☐ Placement Assessments: ☐ Compass Test ☐ ACT ☐ PSAT ☐ SAT ☐ ASVAB ☐ Other:
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Speech* Spanish Multimedia Career & Leadership Connections Humanities	Marketing Internship Entrepreneurship Fashion Marketing Retail Marketing Sport & Entertainment Marketing	Student Organizations: FBLA FFA FCCLA SkillsUSA DECA HOSA JROTC

		Postsecondary Offerings -	- For A Complete	Listing, go to <u>www.miss</u>	ouriconnections.org		
	Community College	Technical School/Training Institution		In S	State		Out of State/Other
Postsecondary	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.nacc.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	· · · · · · · · · · · · · · · · · · ·	Avila University Baptist Bible Col Bryan College - y Central Methodis www.central College of the Oz Columbia Colleg Culver-Stockton www.culver DeVry University Drury University Evangel Universit Everest College www.everes Fontbonne Univ Hannibal-Lagran www.hlq.ed Harris-Stowe Sta Lincoln Universit Lindenwood Univ Maryville Universi www.maryvi Messenger Colle www.messe Missouri Baptist Missouri College www.missou MO Southern Sta www.missou Missouri State Ui www.missou	In S www.avila.edu lege - www.baptist.edu www.bryancollege.com st University methodist.edu zarks - www.coto.edu ee - www.ccis.edu College .edu - www.devry.edu - www.drury.edu ity - www.evangel.edu t-college.com - www.fontbonne.edu ge College u te Univ - www.hssu.edu ty - www.lincolnu.edu v - www.mobap.edu uricollege.com ste University edu niversity uristate.edu college		ge.com w.semo.edu no.edu missouri.edu msl.edu ix.edu ix.edu ix.edu steruniv.edu	Out of State/Other 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	l : Careers By Educational Level – For Occu	www.moval.		sters ard ar www.missourican	nections or	
	On-the-Job Training or Less	Technical Training or Associ			elors Degree		Masters Degree or More
Buye Cash Coun Demo Flora Merc Mode Optic Parts Retai	rtising Salespeople rs and Purchasing Agents iers ter and Rental Clerks onstrators and Promoters I Designers handise Displayers	Advertising Sales Agents Assessors Fashion Designers Interior Designers Lodging Managers Property, Real Estate, and Community Managers Real Estate Brokers Sales Representatives, Wholesale and Except Technical and Scientific Produc Travel Agents Travel Guides Wholesale and Retail Buyers, Except F	Association Manufacturing, ts	Art Directors Editors Market Research Analysts Public Relations Specialis Sales Managers Sales Representatives Survey Researchers Technical Writers	s	Marketing M	acher, Postsecondary anagers ons Managers Managers



Science, Technology, Engineering & Mathematics Career Cluster Program of Study Template

www.btec.boonville.k12.mo.us

Minimum Graduation Requirements	SUGGESTED COURSE OF HIGH SCHOOL STUDY
Minimum Graduation Requirements	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	Boonslick Technical Career Center	Additional Learning Opportunities
	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Spanish Career & Leadership Connections	Intro to Woodworking Tech	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:
	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Spanish Career & Leadership Connections	Intro to Woodworking Tech	Community Based: Mentorship
Secondary	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Spanish Computer Appl/Adv Multimedia Career & Leadership Connections	Agricultural Construction Agricultural Power CAD I Computer Networking Information Technology Intro to Woodworking Tech Adv. Construction Tech	□ Volunteer □ Part-time Employment □ Other: ———————————————————————————————————
Se	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Spanish Career & Leadership Connections	Agricultural Construction CAD II Computer Networking Information Technology Intro to Woodworking Tech Adv. Construction Tech Sustainable Energy Theory & Lab	Placement Assessments: # Compass Test # ACT # PSAT # SAT # ASVAB # Other: Student Organizations: FBLA FFA FCCLA SkillsUSA DECA HOSA JROTC

		Postsecondary Offerings -	- For A Complete	Listing, go to www.misse	ouriconnections.org		
	Community College	Technical School/Training Institution			State		Out of State/Other
Postsecondary		ty College College Dillege Sample Careers By Educational Level – For Occu		- www.avila.edu st University methodist.edu zarks - www.coto.edu e - www.ccis.edu College .edu - www.drury.edu ity - www.lincolnu.edu v - www.lindenwood.edu sile.edu Univ - www.mobap.edu ute University edu niversity zristate.edu state University en State University uriwestern.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		Apprenticeship Military On-the-Job Training Grantham University www.grantham.edu
						nnections.or	
	On-the-Job Training or Less	Technical Training or Associate Electronics Engineering Technologists	ate Degree	Bache Aerospace Engineers	lors Degree	Anthropolog	Masters Degree or More ists
		Engineering Technicians Manufacturing Engineering Technologis Science Technicians	sts	Biomedical Engineers Cartographers Chemists Civil Engineers Electrical and Electronics Energy Engineers Environmental Engineers	cientists and Technologists	Archeologis Astronomer Biologists Environmen Geographer	ts s tal Scientists s and Geophysicists ians entists igineers



Boonslick Technical Career Center Transportation, Distribution & Logistics Career Cluster Program of Study Template

www.btec.boonville.k12.mo.us

Minimum Graduation Requirements	SUGGESTED COURSE OF HIGH SCHOOL STUDY
Minimum Graduation Requirements	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	Boonslick Technical Career Center	Additional Learning Opportunities	
Secondary	9	Com Arts I	Algebra I	Physical Science	American History	PE Fine Art Health Practical Art Intro to Business Career & Leadership Connections	Entrepreneurship Ag Science I	School-Based: Career Research Cooperative Education Internship Job Shadowing Service Learning Project Other:	
	10	Com Arts II	Geometry	Biology	World Geography or World History	Personal Finance Computer Apps./Adv Career & Leadership Connections	Consumer Car Care Entrepreneurship Ag Science II	Community Based: Mentorship Volunteer Part-time Employment Other: Assessments/Certifications: Technical Skills Attainment (TSA) Other:	
	11	Com Arts III	Algebra II	Botany, Zoology, Earth Science Chemistry	Government	Business Law Business Mgmt. Accounting I Career & Leadership Connections	Ag Power Ag Construction Auto Technology Lab Auto Technology Theory I Consumer Car Care Entrepreneurship	Placement Assessments: ↓ Compass Test ↓ ACT ↓ PSAT ↓ SAT ↓ ASVAB ↓ Other:	
	12	Com Arts IV or College Prep English*	Pre-calculus Statistics* Inter. Algebra College Alg* Calculus*	Anatomy AP Chemistry Physics	Psychology Sociology Criminal Justice Current Events Western Civilization I & II*	Accounting II Career & Leadership Connections	Ag Power Ag Construction Auto Technology Lab Auto Technology Theory I Sustainable Energy Theory & Lab Entrepreneurship	Student Organizations: FBLA FFA FCCLA SkillsUSA DECA HOSA JROTC	

Postsecondary Offerings – For A Complete List of Colleges, go to <u>www.missouriconnections.org</u>											
	Community College Tech		nnical School/Training Institutions	In State				Out of State/Other			
Postsecondary	Crowder College www.crowder.edu East Central College www.eastcentral.edu Hannibal-Lagrange College www.hlq.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.nacc.edu North Central Missouri College www.nacc.edu Sanford-Brown College www.sanford-browncollege.com St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Soline College www.sfccmo.edu		ardeau Career/Tech Center ape.k12.mo.us/cc/default.htm ech School - www.clinton.k12.mo.us eth Career Car - www.mexicoschools.net ereer Car - www.eldoncareercenter.org ers Career Center ashington.k12.mo.us Technology- MSSU www.ftcjoplin.com ech Car - www.wolves.k12.mo.us/gtc ever Technical School - www.grts.org Career and Technical Center annibal.tec.mo.us Career Center erndoncareercenter.com echnical Car - www.hillyardtech.com Area Tech Car - www.kirksville.k12.mo.us eer and Technical Center amdentonschools.org Technology and Career Car ebanon.k12.mo.us/ltcc ay Tech Car www.lexington.k12.mo.us et Career Center orthlandcareercenter.com et Tech School www.maryville.k12.mo.us oln Tech Car - www.pltc.k12.mo.us h Institute - www.rolla.k12.mo.us entral Career Center marshallschools.com/sccc Career & Technology Center elector.k12.mo.us entral Career Car - www.wphs.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.cverest-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.lincolnu.edu Maryville University of Saint Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri Southern State University www.mssu.edu Missouri State University www.mssu.edu Missouri State Univ - West Plains www.mssouristate.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.semo.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 Wester Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu		Apprenticeship Military On-the-Job Training Aviation Institute of Maintenance www.aviationmaintenanc e.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.smtds.com Westwind CDL Training Center www.westwinddcl.com Witte Truck Driving School			
	On-the-Job Training or Less	ie Careers		nal Specialties, go to <u>www.careerclusters.or</u>				ers Degree or More			
Auto Bicyo Bus Disp Freig Heav Moto Park Rigg Serv	raffic Controllers and Flight Attendants Body Repairers ele Repairers Drivers and School Bus Drivers atchers and Traffic Technicians ht Handlers y Equipment Mechanics y Truck Drivers rboat & Motorcycle Mechanics ng Lot Attendants	Changers	Technical Training or Associate Degree 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 I		Mast Chief Executive	ers begree or more			