



Northland Career Center
Manufacturing
 Career Cluster Program of Study Template
www.northlandcareercenter.com

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	Northland Career Center	Additional Learning Opportunities
Secondary	9					PE / Health Fine Arts Personal Finance		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10							Community Based: <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11						+ Industrial Welding I + Heating, Ventilation, Air-Conditioning and Refrigeration I	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> AWS <input type="checkbox"/> Other: _____
	12						+ Industrial Welding I + Heating, Ventilation, Air-Conditioning and Refrigeration II	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

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

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

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