


Northland Workforce Development Center (NWDC) Potential Programs - Includes the current 12 programs at Northland Career Center (NCC)




Programs in **Blue** are Current Programs at NCC, Programs in **Red** are potential programs in the new NWDC = 10 Industry Academies

Northland Career Center offers high school juniors & seniors work-based learning experiences, college credit options, recognized credentials and relevant experiences to springboard from high school to post-secondary options including college, career, and military. These experiences are categorized as Market Value Assets (MVA's).

Agricultural Sciences Academy - At Maple Woods

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
 <p>AGRICULTURAL SCIENCES AT MCC - MAPLE WOODS</p>	2 year program studying animal science, plant science, and Agribusiness	Supervised Agricultural Experiences	15-18 hours of dual enrollment credit per year at MCC - Maple Woods Agriculture Program	None at this time, but students get relevant college credit that aligns to post-secondary programs	Relevant Animal Systems and Plant Systems Projects, Class on college campus in the Northland


Construction Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
 <p>CONSTRUCTION TECHNOLOGY NORTHLAND CAREER CENTER</p>	2 Year program Focus on all aspects of building, exterior applications, roofing, electrical and plumbing	Internship options in residential construction, plumbing, and electrica, typically 2nd semester or 4th quarter	11 Hours of Dual Credit through Metropolitan Community College 12 Hours of Articulated Credit through Missouri Western State University	Carpenters Union Level 2 and Level 3 Test. Passing level three earns you a IRC, potential apprentice, OSHA 10	Various community driven projects including playhouses, sheds and SkillsUSA
 <p>ELECTRICAL & PLUMBING TECHNOLOGIES NORTHLAND CAREER CENTER</p>	2 year program that expands upon career fields that are in high demand and fills a gap in the Construction Cluster	Internship & apprenticeship options during the senior year	Potential dual credit opportunities through Metropolitan Community College	Multiple options for work-based credentials in this program including OSHA-10	State of the art training spaces with live simulations on a frequent basis and SkillsUSA
 <p>HEATING, VENTILATION & AIR CONDITIONING NORTHLAND CAREER CENTER</p>	2 Year program with focus is on all aspects of HVAC and other technical concepts	Internship options for HVAC, electrical or plumbing careers. Typically 2nd semester or 4th quarter.	11 Hours of Dual Credit with Metropolitan Community College	Gas H.E.A.T. Job Ready Certification, EPA 608, OSHA 10	Students perform "changeouts" and installs of HVAC/R equipment as part of curriculum, andSkillsUSA




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Education and Training Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
	2 year program; early childhood education/ elementary /secondary education	<ul style="list-style-type: none"> - 1st year students = 150 hours of internship - 2nd year students = 400 hours of internship - Internships are at approved education facilities supporting student interest 	9 hours of dual credit through Northwest Missouri State	Paraprofessional Assessment, Substitute Certification Assessment, Youth Development Credential (YDC), Child Development Associate (CDA)	Teaching Professions Portfolio, Educators Rising




Health Sciences Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
	1 year program (CNA certification)	<ul style="list-style-type: none"> - 1st year-clinical experience (100 hours) - 2nd year-internship rotations 	6 Hours of Dual Credit with Metropolitan Community College	CNA, CPR, First Aid, Stop the Bleed, OSHA for Healthcare	State of the art lab spaces and SkillsUSA
	Several healthcare options to compliment the current NCC nursing track - Likely 1 year programs	Relevant clinical experiences with the potential of internship options	Potential dual credit opportunities through Metropolitan Community College	Various healthcare credentials earned similar to current Health Sciences	State of the art training spaces and SkillsUSA
	2 year program offered at various CTE Centers visited by leadership. Often an adult program, but also a secondary program	Relevant clinical experiences with the potential of internship options. Opportunities to partner with the community by having patient experiences at the school	Potential college credit, but more of a focus on certification	CPR First Aid, MO Certified Dental Assistant and Dental Assistant Radiographer	State of the art training facility space and SkillsUSA


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Hospitality and Culinary Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
 <p>Culinary Arts NORTHLAND CAREER CENTER</p>	2 year program in a commercial kitchen setting. Students participate in all facets of fine dining & running a restaurant & larger banquet functions	Intern options in Culinary, Baking, and Hospitality 2nd yr seniors - 2nd semester 1st yr seniors - 4th quarter	Articulated credit with Culinary Institute of America, Ozarks Technical Community College, Sullivan University, Johnson & Wales, Johnson County Community College. Hours vary by institution	CFC®(Certified Fundamentals Cook®) from ACF®(American Culinary Federation®), Food Handler, Servsafe Manager's Cert, OSHA 10	Large Banquet Preparation, Restaurant Service & Catering and SkillsUSA
 <p>BAKING & PASTRIES NORTHLAND CAREER CENTER</p>	2 year program that aligns with the current NCC Culinary program	Internship/apprenticeship options during the senior year and various events will require real-world baking options	Potential articulated credit with Johnson County Community College's Hospitality/Culinary Program	CFC®(from the ACF®), Platte County Food Handler, ServSafe® ManageSP/2 (various), OSHA 10 - Culinary,	State of the art training spaces, equipment, and SkillsUSA
 <p>Hospitality and Event Management NORTHLAND CAREER CENTER</p>	2 year program that aligns with the current NCC Culinary program	Internship/apprenticeship options during the senior year and various events will require real-world event management and planning	Potential articulated credit with Johnson County Community College's Hospitality/Culinary Program	Hospitality & Tourism Management (HTMP) Credential, Food Handler, Serve Safe, and OSHA 10 - Culinary	State of the art training spaces, equipment, and SkillsUSA



Personal Services Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
 <p>Cosmetology NORTHLAND CAREER CENTER</p>	2 year program directed towards state Cosmetology License	Over 1000 hands on hours including real customer experiences	No College Credit - A licensure-based program	State Cosmetology and other supporting credentials	State of the art training spaces with live customers on a frequent basis, and SkillsUSA

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IT Academy

<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
	<p>1 or 2 year program. The first year students work towards their CompTIA A+ Certification (they also have a chance to earn their TestOut PC Pro Certification). The second year students start working towards their Cisco CCNA certification (they also have a chance to earn their TestOut Routing and Switching Certification)</p>	<p>1st year juniors - second semester of their first year, they have to pass the PC Pro and the first part of the CompTIA A+ certification by December</p> <p>1st year seniors - second semester with the understanding they will take the PC Pro at the end of the year.</p> <p>2nd year seniors - second semester of their senior year.</p>	<p>17 hours of Dual Credit with Metropolitan Community College</p> <p>9 Hours of Dual Credit with the University of Central Missouri</p> <p>12 Hours Articulated Credit with Missouri Western State University</p>	<p>TestOut PC Pro, Comptia A+, Comptia Network Plus</p>	<p>Various community driven projects aligned to curriculum, state of the art lab and SkillsUSA</p>
	<p>2 year program that could partner with the current IT Professionals. This should be a certification based program that DOES NOT compete with the current program or Northland CAPS. It also should not compete with PLTW or business classes in local high schools, but should connect to IT pathways</p>	<p>This class will have the option to have RWL projects and potential internships.</p>	<p>There will likely be options for college credit from either MCC - Maple Woods or other Universities in the area.</p>	<p>There are several Cisco, Comptia and other professional certifications that differ from the current NCC program</p>	<p>State of the art training facility space and SkillsUSA</p>

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Manufacturing Academy




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	<p>2 Year program</p> <p>Focus on all aspects of welding and various processes and provides the opportunity to develop competence in welding procedures and practices</p>	<p>Internship options in welding careers. Typically 2nd semester or 4th quarter.</p>	<p>19 hrs Dual Credit with Metropolitan Community College Welding program</p> <p>12 hrs Articulated Credit with Missouri Western State University</p>	<p>AWS Welder Performance Qualification Weld Test, OSHA 10, AWS SENSE Level 1, SP/2 Welding</p>	<p>Various community driven projects aligned to curriculum in state of the art lab and SkillsUSA</p>
	<p>2 year program with an emphasis on automation, industrial maintenance, electrical concepts, and robotics</p>	<p>Internship options production/manufacturing careers. Typically 2nd semester or 4th quarter.</p> <p>2nd year Seniors 2nd Semester 1st year Seniors 4th Quarter</p>	<p>6 Hours of Dual Credit with Missouri State University</p> <p>2 Hours Articulated Credit with Metropolitan Community College</p>	<p>FANUC Robot Operator, OSHA 10</p>	<p>State of the art lab, various nearby partner spaces and SkillsUSA</p>
	<p>2 year program that expands upon two technical career fields that are in high demand and fills a gap in the Manufacturing cluster</p>	<p>Internship/apprenticeship options during the senior year</p>	<p>Potential dual credit opportunities through Metropolitan Community College</p>	<p>Multiple options for work-based credentials in this program including OSHA-10</p>	<p>State of the art training spaces, equipment, and SkillsUSA</p>

The new facility increases the number of opportunities for secondary and post-secondary students by increasing the square footage within each academy. For example, the increased space at the NWDC versus the current NCC in the Manufacturing Academy increases from approximately 5,000 square feet to over 15,500 square feet. The construction academy increases from 8,600 square feet to over 13,200 square feet. This will add more sections for programs such as Welding or other related manufacturing that has a huge workforce demand and also student demand with current waiting lists.

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Protective Services Academy




<u>Program</u>	<u>Brief Description</u>	<u>Work-Based Learning</u>	<u>College Credit Options</u>	<u>Relevant Credentials</u>	<u>Meaningful Experiences</u>
 <p>LAW ENFORCEMENT CRIME SCENE INVESTIGATION NORTHLAND CAREER CENTER</p>	2 year program with an emphasis on criminal justice,, law enforcement concepts/protocols, and crime scene investigation skills	Developing partnerships with KC Police Department, Platte County Sheriff's Dept., Clay County Sheriff Dept., Worlds of Fun, and the MO Highway Patrol	6 Hours of of Dual Credit through Missouri State University	Industry Recognized Credential thru the Missouri Peace Officers Association, Local IRC with KCPD, PC Sheriff, CC Sheriff & Worlds of Fun	Security Details thru Platte County R-III school district and Ability KC, state of the art training space and SkillsUSA
 <p>Fire Science / EMT NORTHLAND CAREER CENTER</p>	2 year program focusing on concepts in the fire service and emergency medical technician	Ride Alongs for students in EMT/Fire	Potential Articulated Credit through Metropolitan Community College	Fire I & Fire II Missouri Certifications EMT Basic Certification Hazmat Operations and Awareness CPR For First Responders	State of the art training opportunities + nearby access to Fire Departments with robust training facilities and SkillUSA
 <p>JUNIOR ROTC NORTHLAND CAREER CENTER</p>	2 year program that opens new doors for the enlistment part of the Three E's* that teaches leadership concepts	Relevant activities through military and community connections. This program would be highly connected to local community and regional military	Potential college credit and advanced standing in military for completion of program	Various credentials earned via military	State of the art training spaces and various competitions through JROTC

*The three E's are Enrollment, Enlistment and Employment

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Transportation Academy

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 <p>AVIATION TECHNOLOGY NORTHLAND CAREER CENTER</p>	2 Year program with a focus on Aviation maintenance with the opportunity for other aviation concepts including Drone Operation certification	Internship options in the aviation industry. Typically 2nd semester or 4th quarter.	18.5 hours of articulated credit through the Aviation School of Maintenance (AIM)	USI Drone Operation, OSHA 10, Snap-On Multimeter	State of the art training spaces with live simulations on a frequent basis and SkillsUSA
 <p>DIESEL TECHNOLOGY NORTHLAND CAREER CENTER</p>	2 Year program focusing on Inspection Maintenance, minor Repair of Med/Heavy trucks	Internship options at many area repair/service facilities for seniors. Typically 2nd semester or 4th quarter.	4 hours of articulated credit through Ozarks Technical Community College	ASE Entry-Level Certification in 5 areas: Diesel Engines, Electrical/Electronic Systems, Brakes, Steering/Suspension, IMMR* + OSHA 10	Various possibilities of "customer work" and SkillsUSA
 <p>AUTOMOTIVE TECHNOLOGY NORTHLAND CAREER CENTER</p>	A two year program in the Transportation Academy	The opportunity to work on cars with real maintenance needs & Internship/apprenticeship options during the senior year	Potential dual credit opportunities through MCC	ASE entry level certifications in several performance areas, OSHA 10, and	State of the art training spaces with live customer vehicles on a frequent basis and Skills USA

* IMMR is the Inspection, Maintenance, & Minor Repair portion of the Diesel Technology Curriculum

There are currently 12 programs at NCC with a total of 28 sections where students can get career training. Two programs currently have two teachers. When the building programming is complete, there will be a total of 23 programs, with a possible total of 54 sections of career training. Please note that all new programs will not start at once and will be phased in based on demand and market support from various industries. For more information on future Northland Career Center programs, contact Jeff Green at greenj@platteco.k12.mo.us or (816) 365-9809.