










Pathway	Level 1	Level 2	Level 3	Level 4	Industry Based Certifications
<b>Agricultural Technology and Mechanical Systems</b> 	Principles of AFNR	Ag. Mechanics & Metal Tech.	Ag. Equipment Design & Fabrication	Practicum in AFNR (2)	AWS SENSE Welding AWS D1.1 Structural Steel AWS D9.1 Sheet Metal
<b>Animal Science</b> Ag, Food, & Natural Resources 	Principles of AFNR	Small Animal Management (.5) Equine Science (.5)	Livestock Production	Practicum in AFNR (2) OR Advanced Animal Science (1)	ELANCO Fundamentals of Animal Science NHJTCA Equine Management & Evaluation
<b>Plant Science</b> Ag, Food, & Natural Resources 	Principles of AFNR	Floral Design	Horticulture Science and/or Advanced Floral Design	Practicum in AFNR (2) OR Advanced Floral Design (1)	TSFA Floral Benz Floral Level 1
<b>Graphic Design &amp; Multimedia</b> Arts, A/V Tech, & Comm. 	Principles of AAVTC	Graphic Design & Illustration I	Graphic Design & Illustration II	Practicum in Graphic Design & Illustration (2)	Adobe Certified Professional- Illustrator, Photoshop, InDesign
<b>Digital Communications</b> Arts, A/V Tech, & Comm. 	Principles of AAVTC	Audio Video Production I	Audio Video Production II	Practicum in AV Production (2)	Adobe Certified Professional- Premiere Pro Adobe Certified Professional- Photoshop
<b>Accounting &amp; Finance</b> Business, Marketing, & Finance 	Principles of Business, Marketing, & Finance	Accounting I Financial Math	Accounting II	Practicum in Entrepreneurship (2)	Accounting Foundations
<b>Entrepreneurship</b> Business, Marketing, & Finance 	Principles of Business, Marketing, & Finance	Entrepreneurship I	Entrepreneurship II- Incubator	Practicum in Entrepreneurship (2)	Entrepreneurship & Small Business
<b>Real Estate</b> Business, Marketing, & Finance 	Principles of Business, Marketing, & Finance	Financial Math and/or Professional Communications (.5) or Entrepreneurship I	Fundamentals of Real Estate (2)	Practicum in Entrepreneurship (2)	Real Estate Sales Agent License
<b>Automotive</b> Transportation 	Automotive Basics	Auto Tech I (2)	Auto Tech II (2)	Practicum in Transportation Systems (2)	ASE Entry Level Certifications
<b>Architectural Design</b> Architecture & Construction 	Principles of Architecture	Architectural Design I	Architectural Design II (2)	Practicum in Architectural Design (2)	LEED Green Associate Autodesk Revit

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<b>Culinary Arts</b> Hospitality & Tourism 	Intro to Culinary Arts	Culinary Arts (2)	Advanced Culinary Arts (2)	Practicum in Culinary Arts (2) OR Food Science (1)	Food Manager Certification
<b>Engineering Foundations</b> Engineering 	Intro to Engineering Design PLTW	Introduction to Computer Aided Design & Drafting	Engineering Science PLTW  Engineering Design & Development PLTW	Practicum in STEM (2) OR Engineering Design & Development PLTW (1)	Autodesk Fusion 360 Autodesk CAD
<b>Cybersecurity</b> Information Technology <b>*PTECH</b> 	Fundamentals of Comp. Sci. **CompTIA A+	Computer Science I **CompTIA Network+  Computer Maintenance* ** CompTIA Linus+	AP Computer Science A  Networking* Digital Forensics DC PTECH* **Cisco CCNA 200-301	Practicum in STEM (2)	CompTIA A+ CompTIA ITF+
<b>Programming &amp; Software Development</b> Information Technology <b>*Esports</b> 	Fundamentals of Comp. Sci.	Computer Science I **CompTIA Network+  Game Programing & Design*	AP Computer Science A	Practicum in STEM (2)	CompTIA A+ or ITF Unity
<b>Healthcare Diagnostic and Therapeutic Services</b> Health Science <b>*PTECH</b> 	Principles of Health Science	Medical Terminology	Health Science Theory and Anatomy and Physiology	Practicum in Health Science (2)	Certified Clinical Medical Assistant
<b>Teaching &amp; Training</b> Education & Training 	Principles of Human Services	Child Development	Instructional Practices (2)	Practicum in Education (2)	Educational Aide I
<b>Early Learning</b> Education & Training 	Principles of Human Services	Child Development	Child Guidance (2)	Practicum in Early Learning (2)	Child Development Associate
<b>Family &amp; Community Services</b> Human Services 	Principles of Human Services	Child Development	Family & Community Services	Practicum in Human Services (2)	Community Health Worker
<b>JROTC</b> Air Force 	JROTC I Aerospace I Aviation History Leadership I Military Traditions & Foundations of Citizenship	JROTC II Aerospace II Science Of Flight Leadership II Communication Awareness	JROTC III Aerospace III Space Exploration Leadership III Life Skills & Career Opportunities	JROTC IV Aerospace IV World Cultures Leadership IV Fundamentals of Management	