

**2017-2018 Shelby Co. ATC  
KOSSA & Industry Certifications for all Pathways**

Program	Pathway	CIP Code	KOSSA	Industry Certification	Classes in Pathway
<b>Business Education</b>	Management & Entrepreneurship	52.0701.00	Business Management	**Assessment of Skills & Knowledge for Business (ASK) Concepts of Entrepreneurship/Mgmt.	<ol style="list-style-type: none"> <li>1. Business Principles and Applications <b>OR</b> Digital Literacy <b>OR</b> Computer Literacy</li> <li>2. Microsoft Office</li> <li>3. Business Law <b>OR</b> Business Management</li> <li>4. Entrepreneurship <b>OR</b> Business Education Internship</li> </ol>
<b>Business Education</b>	Administrative Support	52.0401.00	Administrative Support Services	**Assessment of Skills & Knowledge for Business (ASK) Fundamental Business Concepts <b>AND</b> **Microsoft Office Specialist (3 exams) – Excel, PowerPoint, Word	<ol style="list-style-type: none"> <li>1. Business Principles and Applications <b>OR</b> Digital Literacy <b>OR</b> Computer Literacy</li> <li>2. Microsoft Office</li> <li>3. Business Law <b>OR</b> Business Management</li> <li>4. Entrepreneurship <b>OR</b> Business Education Internship</li> </ol>

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<b>Computerized Manufacturing &amp; Machining (Machine Tool)</b>	Machinist Operator	48.0503.02	Computerized Manufacturing & Machining	**NIMS – Machine Tool Certification (Level 1) (any exam)	<ol style="list-style-type: none"> <li>1. Fundamentals of Tool A</li> <li>2. Fundamentals of Tool B</li> <li>3. Applied Machining I</li> <li>4. Applied Machining II</li> <li>5. Special Problems <b>OR</b> Internship (Machine Tool)</li> </ol>
<b>Industrial Maintenance</b>	Industrial Maintenance Electrical Technician	47.0303.02	Manufacturing	**NCCER – Industrial Maintenance Electrical & Instrumentation Technician (Level 1)	<ol style="list-style-type: none"> <li>1. Electrical Principles</li> <li>2. Electrical Motor Controls</li> <li>3. Fluid Power</li> <li>4. Maintenance of PLC's</li> <li>5. Internship (Industrial Maintenance)</li> </ol>
<b>Welding Technology</b>	Welder-Entry Level	48.0508.01	Welding	**AWS – Sense Certification (Level 1) <b>OR</b> 2-F (AWS) Qualification Certification <b>OR</b> Kentucky Department of Transportation 3-G	<ol style="list-style-type: none"> <li>1. Blueprint Reading for Welding</li> <li>2. Basic Welding</li> <li>3. Shielded Metal Arc Welding (SMAW)</li> <li>4. Gas Metal Arc Welding (GMAW)</li> </ol>

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<b>Health Sciences</b>	Dental Assisting	51.0601.01	Allied Health	**OSHA <b>AND</b> **Dental Radiation Certificate	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: Dental Assisting</li> </ol>
<b>Health Sciences</b>	EKG Technician	51.0902.01	Allied Health	**NOCTI Healthcare Core <b>AND</b> **Certified EKG Technician	<ol style="list-style-type: none"> <li>7. Principles of Health Science</li> <li>8. Medical Math</li> <li>9. Medical Terminology</li> <li>10. Emergency Procedures</li> <li>11. Body Structures &amp; Functions</li> <li>12. Internship: EKG Technician</li> </ol>
<b>Health Sciences</b>	EMT – Emergency Medical Technician	51.0904.01	Allied Health	**NOCTI Healthcare Core <b>AND</b> **EMT – Basic National Certification	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: EMT Basic</li> </ol>
<b>Health Sciences</b>	MAA – Medical Administrative Assisting	51.0710.00	Allied Health	**NOCTI Healthcare Core <b>AND</b> **NHA Certified Medical Administrative Assistant	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: MAA</li> </ol>
<b>Health Sciences</b>	Pharmacy Technician	51.0805.01	Allied Health	**NOCTI Healthcare Core <b>AND</b> **Certified Pharmacy Technician	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: Pharmacy Technician</li> </ol>

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Health Sciences	Phlebotomy Technician	51.1009.01	Allied Health	**NOCTI Healthcare Core <b>AND</b> **Certified Phlebotomy Technician	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: Phlebotomy Technician</li> </ol>
Health Sciences	Pre-Nursing	51.2699.01	Allied Health	**NOCTI Healthcare Core <b>AND</b> **MNA – State Registered Nursing Assistant (SRNA) /Medicaid Nurse Aid (MNA)	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: MNA</li> </ol>
Health Sciences	Veterinary Assistant	51.0808.00	Allied Health	NAVTA – Veterinary Assisting Certification	<ol style="list-style-type: none"> <li>1. Principles of Health Science</li> <li>2. Medical Math</li> <li>3. Medical Terminology</li> <li>4. Emergency Procedures</li> <li>5. Body Structures &amp; Functions</li> <li>6. Internship: Veterinary Assistant</li> </ol>

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<b>Information Technology</b>	Information Support & Services	47.0104.01	Information Support & Services	<p><b>**CompTIA IT Fundamentals AND CompTIA A+ (901&amp;902) (2 Exams)</b></p> <p><b>OR</b></p> <p><b>**CompTIA IT Fundamentals AND 2 below...</b></p> <p><b>**Help Desk Institute(HDI) – Customer Service Representative or Support Center Analyst or Desktop Support Technician or Support Center Team Lead or Support Center Manager or Support Center Director or Knowledge Center Support Principles</b></p> <p><b>** Microsoft Technology Associate MTA Exam – Mobility and Device Fundamentals or MTA Exam Cloud Fundamentals</b></p> <p><b>**Testout PC Pro</b></p>	<ol style="list-style-type: none"> <li>1. Computer/Digital Literacy</li> <li>2. Computer Hardware &amp; Software</li> <li>3. Help Desk</li> <li>4. Information Technology Internship</li> </ol>

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<b>Automotive Technology</b>	Automotive Maintenance & Light Repair Technician	47.0604.01	Automotive Technology	**ASE Student Certification – Maintenance & Light Repair <b>OR</b> Brakes <b>AND</b> Suspension & Steering <b>AND</b> Electrical Systems. (MLA OR ALL 3)	<ol style="list-style-type: none"> <li>1. Automotive Maintenance &amp; Light Repair A</li> <li>2. Automotive Maintenance &amp; Light Repair B</li> <li>3. Automotive Maintenance &amp; Light Repair C</li> <li>4. Automotive Maintenance &amp; Light Repair D</li> </ol>
<b>Automotive Technology</b>	Automobile Service Technician	47.0604.02	Automotive Technology	Automotive Maintenance & Light Repair <b>OR</b> Automobile Service Technology <b>OR 3 of the following...</b> Automatic Transmissions, Brakes, Electrical/Electronic Systems, Engine Performance, Engine Repair, Heating & Air Conditioning, Manual Transmissions & Transaxles, Suspension & Steering	<ol style="list-style-type: none"> <li>1. Automobile Service Technology Section A</li> <li>2. Automobile Service Technology Section B</li> <li>3. Automobile Service Technology Section C</li> <li>4. Automobile Service Technology Section D</li> </ol>
<b>Diesel Technology</b>	Diesel Front End Mechanic / Basic Automotive Electricity Option	47.0605.03	Transportation	**Diesel ASE – Electrical/Electronic Systems <b>AND</b> **Diesel ASE – Suspension & Steering	<ol style="list-style-type: none"> <li>1. Preventative Maintenance</li> <li>2. Mechanical Concepts</li> <li>3. Intro to Diesel Engines</li> <li>4. Basic Automotive Electricity</li> <li>5. Electrical Systems for Diesel Equipment</li> <li>6. Diesel Engine Repair</li> <li>7. Special Problems in Diesel Technology</li> </ol>

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<b>Diesel Technology</b>	Diesel Front End Mechanic / Special Problems Option	47.0605.06	Transportation	<b>**Diesel ASE – Electrical/Electronic Systems <b>AND</b> **Diesel ASE – Suspension &amp; Steering</b>	<ol style="list-style-type: none"> <li>1. Preventative Maintenance</li> <li>2. Mechanical Concepts</li> <li>3. Intro to Diesel Engines</li> <li>4. Basic Automotive Electricity</li> <li>5. Electrical Systems for Diesel Equipment</li> <li>6. Diesel Engine Repair</li> <li>7. Special Problems in Diesel Technology</li> </ol>
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