

## Perkins Technical Skills Assessments (TSAs) and MSIP-5 Industry Recognized Credentials (IRCs)

This document is intended to provide further guidance to schools as they identify Technical Skills Attainment (TSA) assessments and Industry Recognized Credentials (IRC) that best meet the needs of their students. TSAs are required by Perkins IV for both secondary and post-secondary programs. IRCs, in this context, are intended for use with secondary students and for school districts interested in addressing MSIP-5, College and Career Readiness Standard 3, Indicator 4. In some instances an IRC is also identified, and could be reported as, a TSA.

**Concentrator:** A student who has earned three or more sequential credits in any state-approved CTE program grades 9-12. Sequential credits can consist of courses that crossover into different program areas. (Note: It is a local decision to determine the sequence; therefore, it is a local decision to determine when a student becomes a concentrator and completes a program).

**Industry Recognized Credential (IRC):** A portable, recognized credential that validates an individual has successfully demonstrated skill competencies in a core set of content and performance standards in a specific set of work-related tasks, single occupational area, or a cluster of related occupational areas. A student does not have to be a concentrator to take an IRC.

**Technical Skill Attainment (TSA):** A technical skill assessment measures skill proficiency of Career and Technical Education (CTE) students who are concentrators (a student who has earned three or more sequential credits in any state-approved CTE program grades 9-12) and has completed an approved CTE program. A TSA is not intended to be taken after every course.

- Please refer to the MSIP-5 current [Comprehensive Guide to the Missouri School Improvement Program \(2017\)](#) for clarification on Performance Standard 3, Indicator 4 (College and Career Readiness).
- [MOSIS Code Sets](#)

Beginning in FY2015 (the 2014-2015 school year), several assessments that had temporarily been on the MSIP IRC approved list were removed. Those assessments will remain on the approved Perkins TSA list.

IRCs are identified a year prior to the reporting year in order to give schools ample time to prepare for the assessments. Please note clarification statements as some IRCs require both a knowledge and performance assessment. TSAs and IRCs that are listed under a career cluster may be appropriate for other career clusters. However, schools should contact their CTE Program Director to be sure the assessment is appropriate for the approved program.

School districts will have an opportunity to request that additional IRCs be added, removed, or clarification statements be revised on the MSIP-5 list during the spring IRC Application window.

Note: This guidance document will be updated periodically with web links or other information as needed.

**Agriculture, Food and Natural Resources**

| Assessment   | Perkins TSA | Clarification/<br>Reporting Criteria TSA | MSIP IRC | Clarification/Reporting<br>Criteria IRC (Effective<br>FY2016) | IRC Code |
|--|-------------|--|----------|---|----------|
| MO Agriculture Skill & Knowledge Assessment<br><a href="#">MOASK Host Site Agreement</a> | ✓           |  | ✓        |   | AGSK     |
| <a href="#">Agriculture Biotechnology - NOCTI</a>  | ✓           |  |          |   |          |
| <a href="#">Agricultural Mechanics - NOCTI</a>   | ✓           |  |          |   |          |
| <a href="#">Animal Systems - NOCTI</a>   | ✓           |  |          |   |          |
| Conservation -- NOCTI  | ✓           |  |          |   |          |
| <a href="#">Floricultural NOCTI</a>  | ✓           |  |          |   |          |
| <a href="#">Floriculture-Greenhouse (NOCTI)</a>  | ✓           |  |          |   |          |
| <a href="#">Forest Products &amp; Processing – NOCTI</a>                                 | ✓           |  |          |   |          |
| <a href="#">Horticulture - Landscaping -- NOCTI</a>                                      | ✓           |  |          |   |          |
| <a href="#">Natural Resource Systems -- NOCTI</a>  | ✓           |  |          |   |          |
| <a href="#">Production Agriculture – NOCTI</a>   | ✓           |  |          |   |          |
| <a href="#">Small Animal Science &amp; Technology -- NOCTI</a>                           | ✓           |  |          |   |          |
| <i>Veterinary Assistant – Animal Care Technologies</i>                                   | ✓           |  | ✓        |   | AGVET    |

### Architecture and Construction

| Assessment  | Perkins TSA | Clarification/<br>Reporting Criteria TSA | MSIP5<br>IRC | Clarification/Reporting<br>Criteria IRC (Effective<br>FY2016)  | IRC Code |
|---|-------------|--|--------------|--|----------|
| Air Conditioning Certification – HVAC Excellence  | ✓           |  | ✓            |  | HVAC     |
| American Design Drafting Association- (ADDA)  | ✓           |  | ✓            |  | ADDA     |
| Architectural Drafting – SkillsUSA  | ✓           |  |              |  |          |
| Autodesk Professional Certification (Certified Professional) assessments: <ul style="list-style-type: none"> <li>• AutoCAD Certified Professional</li> <li>• Revit Architecture Certified Professional</li> <li>• Revit Structure Certified Professional</li> <li>• Revit MEP Certified Professional: Mechanical</li> <li>• Revit MEP Certified Professional: Electrical</li> <li>• Inventor Certified Professional;</li> <li>• 3ds Max Certified Professional;</li> <li>• Maya Certified Professional</li> </ul> | ✓           |  | ✓            | Student must pass one Autodesk Professional Certification--Certified Professional assessment in the appropriate instructional area to have earned the IRC. | ACP      |
| AutoCAD – Brainbench  | ✓           |  |              |  |          |
| Building Construction Occupations – NOCTI   | ✓           |  |              |  |          |
| Building Trades Maintenance – NOCTI   | ✓           |  |              |  |          |
| Cabinetmaking –NOCTI  | ✓           |  |              |  |          |















|   |   |   |   |   |            |
|---|---|---|---|---|------------|
| Cabinetmaking – WoodLINKS USA   | ✓ |   |   |   |            |
| CAD - NOCTI   | ✓ |   |   |   |            |
| Carpentry Career Connections<br>To schedule the exam, schools should contact:<br>R. J. Catizon, Instructor<br>rcatizon@cjtf.org<br>314-457-8300 Ext. 5663 or<br>314-337-8399 (cell)<br>St Louis Carpenters Joint Apprenticeship Program<br>8300 Valcour Avenue<br>St Louis MO 63123 | ✓ | Student must pass Career Connections Level 1 and/or Level 2 Exam. | ✓ | Student must pass Career Connections Level 2 or above Exam. | PACT       |
| Carpentry—NCCER<br><br>Please contact Cathy Tyler (386-518-6949) or at <a href="mailto:Ktyler@nccer.org">Ktyler@nccer.org</a> with NCCER to set up your program and to purchase the NCCER exam.   | ✓ |   | ✓ | Carpentry Level One   | NCCER-CARP |
| Carpentry – NOCTI   | ✓ |   |   |   |            |
| Carpentry – SkillsUSA   | ✓ |   |   |   |            |
| Carpentry – PACT  | ✓ |   | ✓ |   | PACT       |
| Construction – Ramsay Corporation   | ✓ |   |   |   |            |
| Construction Masonry – Block laying option – NOCTI  | ✓ |   |   |   |            |
| Construction Masonry - Bricklaying option – NOCTI   | ✓ |   |   |   |            |

|   |   |  |   |  |            |
|---|---|--|---|--|------------|
| Construction Masonry - Stone option – NOCTI   | ✓ |  |   |  |            |
| Technical Drafting – NOCTI  | ✓ |  |   |  |            |
| Drafting – SkillsUSA  | ✓ |  |   |  |            |
| <a href="#">Electrical Construction Wiring (Residential Wiring)--SkillsUSA</a>  | ✓ |  |   |  |            |
| Housing – AAFCS   | ✓ |  | ✓ |  | AAFCS-HOUS |
| HVAC—NCCER<br>Please contact Cathy Tyler (386-518-6949) or at <a href="mailto:Ktyler@nccer.org">Ktyler@nccer.org</a> with NCCER to set up your program and to purchase the NCCER exam.    | ✓ |  | ✓ |  | NCCER-HVAC |
| HVAC – NOCTI  | ✓ |  |   |  |            |
| HVAC/R – NOCTI  | ✓ |  |   |  |            |
| HVAC/R – SkillsUSA  | ✓ |  |   |  |            |
| <a href="#">Industrial Maintenance Mechanics</a> – NOCTI  | ✓ |  |   |  |            |
| Masonry—NCCER<br>Please contact Cathy Tyler (386-518-6949) or at <a href="mailto:Ktyler@nccer.org">Ktyler@nccer.org</a> with NCCER to set up your program and to purchase the NCCER exam. | ✓ |  | ✓ |  | NCCER-MAS  |
| Masonry – SkillsUSA   | ✓ |  |   |  |            |




|  |   |  |   |  |            |
|--|---|--|---|--|------------|
| Construction—NCCER<br>Please contact Cathy Tyler (386-518-6949) or at <a href="mailto:Ktyler@nccer.org">Ktyler@nccer.org</a> with NCCER to set up your program and to purchase the NCCER exam. | ✓ |  | ✓ |  | NCCER-CNST |
| Plumbing – NOCTI   | ✓ |  |   |  |            |
| Plumbing – SkillsUSA   | ✓ |  |   |  |            |

### Arts, A/V Technology and Communications

| Assessment   | Perkins TSA | Clarification/Reporting Criteria TSA                    | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016)   | IRC Code  |
|--|-------------|---|-----------|---|-----------|
| 3-D Visualization and Animation – SkillsUSA  | ✓           |   |           |   |           |
| Adobe Certified Associate (ACA) <ul style="list-style-type: none"> <li>• Adobe Photoshop</li> <li>• Adobe Flash Professional</li> <li>• Adobe Illustrator</li> <li>• Adobe Dreamweaver</li> <li>• Adobe Premier</li> <li>• Adobe InDesign</li> </ul> | ✓           | Students must pass two ACA assessments to earn the TSA. | ✓         | Students must earn three Adobe Certified Associate (ACA) certifications to earn the ACA Specialist credential—and to have passed the IRC. Schools should refer to the <a href="http://Certiport.com">Certiport</a> website for specific information on the ACAs associated with a specific ACA Specialist credential. | Adobe CAC |
| Audio-Radio Production – SkillsUSA   | ✓           |   |           |   |           |
| Audio-Visual Communications – NOCTI  | ✓           |   |           |   |           |
| Broadcasting and Journalism – NOCTI  | ✓           |   |           |   |           |
| <a href="#">Final Cut Certified Pro</a>  | ✓           |   | ✓         |   | FCCP      |

|  |  |  |   |   |            |
|--|--|--|---|---|------------|
| <a href="#">Graphic Communications – PrintED</a>     |   | The name/branding of this assessment changed in FY16 to SkillsUSA/PrintED. The content of the assessment did not change. |  | The name/branding of this assessment changed in FY16 to Graphic Communications (PrintED co-brand) The content of the assessment did not change. This assessment continues to be an IRC. | GCOM-SUSA  |
| Graphic Production Technology – NOCTI                |   |  |   |   |            |
| Housing – AAFCS                                      |   |  |  |   | AAFCS-HOUS |
| Performing Arts – NOCTI                              |   |  |   |   |            |
| Photography – SkillsUSA                              |   |  |   |   |            |
| <a href="#">PrintED/SkillsUSA Advertising Design</a> |   |  |  |   | GCOM-SUSA  |
| Screen Printing Technology – SkillsUSA               |   |  |   |   |            |
| Television Production – NOCTI                        |   |  |   |   |            |
| Television (Video) Production – SkillsUSA            |   |  |   |   |            |
| Visual Arts – NOCTI                                  |   |  |   |   |            |
| Visual Communication and Multimedia Design – NOCTI   |  |  |   |   |            |

**Business, Management and Administration**

| <b>Assessment</b>  | <b>Perkins TSA</b>  | <b>Clarification/Reporting Criteria TSA</b> | <b>MSIP5 IRC</b>  | <b>Clarification/Reporting Criteria IRC (Effective FY2016)</b> | <b>IRC Code</b> |
|--|---|---|---|--|-----------------|
| <a href="#">Certification for Legal Professionals– ALS</a> |  |   |  |  | ALS             |
| <a href="#">Entrepreneurship – MBA Research</a>            |  |   |   |  |                 |

|  |   |  |   |  |         |
|--|---|--|---|--|---------|
| Fundamental Business Concepts – ASK Institute                    | ✓ |  | ✓ |  | ASK-FIN |
| Missouri Business Management and Entrepreneurship – MBA Research | ✓ |  |   |  |         |
| Missouri Business Management – MBA Research                      | ✓ |  |   |  |         |

### Education and Training Services

| Assessment                                 | Perkins TSA | Clarification/Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016)                              | IRC Code  |
|--|-------------|--------------------------------------|-----------|--|-----------|
| Early Childhood Education – AAFCS          | ✓           |                                      | ✓         |  | AAFCS-ECE |
| Early Childhood Care and Education – NOCTI | ✓           | NOCTI 3016, 4016 or 4017             |           |  |           |
| Education and Training – NOCTI             | ✓           |                                      |           |  |           |
| Youth Development Credential               | ✓           |                                      | ✓         |  | YDEVA     |
| Education Fundamentals – AAFCS             | ✓           |                                      | ✓         | This is the required IRC for the Career Pathways to the Teaching Profession program. | AAFCS-EF  |

### Finance

















| Assessment                                       | Perkins TSA | Clarification/Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016) | IRC Code |
|--|-------------|--------------------------------------|-----------|---|----------|
| Accounting Basic – NOCTI                         | ✓           |                                      |           |   |          |
| Accounting Advanced – NOCTI – Postsecondary Only | ✓           |                                      |           |   |          |



|   |  |  |  |  |          |
|---|--|--|--|--|----------|
| ASK                                     |  |  |  |  | ASK-FINn |
| Finance - End of Program – MBA Research |  |  |  |  |          |

**Health Science**










| <b>Assessment</b>  | <b>Perkins TSA</b> | <b>Clarification/<br/>Reporting Criteria TSA</b> | <b>MSIP5 IRC</b> | <b>Clarification/Reporting<br/>Criteria IRC (Effective<br/>FY2016)</b> | <b>IRC Code</b> |
|--|--------------------|--|------------------|--|-----------------|
| 1st Responder – National Registry of Emergency Medical Technicians (NREMT)                               |                    | Appropriate for Perkins only                     |                  |  |                 |
| <a href="#">Associate Degree Nursing (ADN) –NCLEX-RN--</a> MO Division of Professional Registration      |                    | Appropriate for Perkins reporting                |                  |  |                 |
| Certified Dental Assistant, Infection Control Exam (ICE) – Dental Assisting National Board, Inc.         |                    |  |                  |  | CDAICE          |
| Certified Dental Assistant, Radiation Health & Safety Exam (RHS) – Dental Assisting National Board, Inc. |                    |  |                  |  | CDARHS          |
| Certified Nurse Aide (CNA) – Missouri Department of Health and Senior Services                           |                    |  |                  |  | CNA             |
| <a href="#">Dental Assistant</a> - MO - EFDA   |                    |  |                  |  |                 |
| <a href="#">Dental Assisting</a> – NOCTI   |                    |  |                  |  |                 |
| <a href="#">Dental Assisting</a> – SkillsUSA   |                    |  |                  |  |                 |










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|--|---|--|--|--|-------|
| Dental Hygienists – MO Division of Professional Registration   |    |  |  |  |       |
| Dental Lab Technology – NOCTI  |    |  |  |  |       |
| EMT-Basic – Brainbench   |    |  |  |  |       |
| EMT-Basic – NREMT  |    |  |   |  | NREMT |
| Health Assisting – NOCTI   |    |  |  |  |       |
| <a href="#">Home Health Aide</a> – NOCTI   |    |  |  |  |       |
| Lab/Pharmacy Tech (Secondary Only)– <a href="#">PassAssured</a>  |    |  |  |  |       |
| Massage Therapists – MO Division of Professional Registration  |    |  |  |  |       |
| <a href="#">Medical Assisting</a> – NOCTI  |    |  |  |  |       |
| Medical Assisting – SkillsUSA  |    |  |  |  |       |
| <a href="#">Missouri Assessment of Basic Dental Assisting Skills</a>   |   |  |  | <b>This assessment will be available for MSIP reporting beginning in June, 2019.</b> |       |
| <a href="#">National Health Care Foundation Skill Standard Assessment</a> – National Consortium on Health Science and Technology Ed. |  |  |  |  |       |
| <a href="#">Nursing Assisting</a> – NOCTI  |  |  |  |  |       |
| Nurse Assisting – SkillsUSA  |  |  |  |  |       |

|   |   |  |   |  |         |
|---|---|--|---|--|---------|
| <a href="#">Nutrition</a> – AAFCS   | ✓ |  | ✓ |  | AAFCN-N |
| <a href="#">Practical Nursing NCLEX-PN</a> -- MO Division of Professional Registration                | ✓ |  |   |  |         |
| <a href="#">Practical Nursing</a> – NOCTI   | ✓ |  |   |  |         |
| Practical Nursing – SkillsUSA   | ✓ |  |   |  |         |
| Pharmacy technicians – <a href="#">Institute for the Certification of Pharmacy Technicians</a>        | ✓ |  |   |  |         |
| <a href="#">Pharmacy technicians</a><br>Pharmacy Technician Certification Board                       | ✓ |  |   |  |         |
| Project Lead The Way  | ✓ | Student must pass two of three PLTW biomedical or two of three engineering EOCs with a stanine score of six or above on each assessment. |   |  |         |
| <a href="#">Radiology Technologists</a> – American Registry of Radiologic Technologists               | ✓ |  |   |  |         |
| <a href="#">Respiratory Therapist</a> – National Board for Respiratory Care                           | ✓ |  |   |  |         |
| <a href="#">Surgical Technologists</a> – National Board of Surgical Technology and Surgical Assisting | ✓ |  |   |  |         |

### Hospitality and Tourism




| Assessment | Perkins TSA | Clarification/<br>Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting<br>Criteria IRC (Effective | IRC Code |
|------------|-------------|--|-----------|--|----------|
|------------|-------------|--|-----------|--|----------|

|  |   |   |   | <b>FY2016)</b>  |          |
|--|---|---|---|---|----------|
| ACF Certification Assessment – NOCTI   |    | Comply with the requirements for an accredited American Culinary Federation program. For the Perkins TSA, student must be a concentrator that completes an approved CTE program.  |    | To earn the Certified Junior Culinarian (CJC) certification a student must complete the requirements for an accredited American Culinary Federation program, pass the NOCTI written and practical exam with a score of 70% or higher. A student does not need to be a concentrator when used as an IRC.   | ACF      |
| Hospitality and Tourism Management (HTMP) I & II<br><a href="#">American Hotel and Lodging Educational Institute</a> (AHLEI) |    | For TSA: to be a concentrator a student could take two supporting CTE courses in a personal plan of study or pathway and then HTMP I or one supporting CTE course, HTMP I and HTMP II But not complete the mentored work requirement. In this case, the HTMP I or HTMP II assessments could be used as the TSA. |    | To earn the AHLEI – internationally recognized - Certified Hospitality and Tourism Management Professional (CHTMP) a student must pass the American Hotel and Lodging Educational Institute’s HTMP Year 1 final exam and HTMP Year 2 final exam and complete 100 hours of paid or unpaid work experience in one of four qualifying positions. You must have all three components to receive the IRC, and the assessments must be given at the end of each course. | AHLA     |
| Commercial Baking – SkillsUSA  |  |   |   |   |          |
| Commercial Foods – NOCTI   |  |   |   |   |          |
| Culinary Arts – AAFCS  |  |   |  |   | AAFCS-CA |
| Culinary Arts – SkillsUSA  |  |   |   |   |          |

|   |   |   |   |  |          |
|---|---|---|---|--|----------|
| Culinary Arts I: Prep Cook – NOCTI  |    |   |   |  |          |
| Culinary Arts II: Cook – NOCTI  |    |   |   |  |          |
| Hospitality Mgmt: Food & Beverage Option – NOCTI  |    |   |   |  |          |
| Hospitality Mgmt: Lodging Option – NOCTI  |    |   |   |  |          |
| ProStart I & II<br><a href="#">National Restaurant Association Education Foundation</a> |    | For TSA: to be a concentrator a student could take two supporting CTE courses in a personal plan of study or pathway and then ProStart I or one supporting CTE course, ProStart I and ProStart II BUT not complete the mentored work requirement. In this case, the ProStart I or ProStart II assessments could be used as the TSA. |  | To earn the ProStart National Certification of Achievement (COA), a student must pass the National Restaurant Association's ProStart Year 1 and ProStart Year 2 final exams, and complete 400 hours of mentored work experience. | PROSTART |
| Restaurant, Food and Beverage Services – NOCTI  |    |   |   |  |          |
| Retail Commercial Baking – NOCTI  |   |   |   |  |          |
| Travel and Tourism – NOCTI  |  |   |   |  |          |

**Human Services**

| Assessment   | Perkins TSA | Clarification/Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016)                            | IRC Code   |
|--|-------------|--------------------------------------|-----------|--|------------|
| Apparel & Textile Production & Merchandising – NOCTI   | ✓           |                                      |           |  |            |
| Broad Field Family and Consumer Sciences – AAFCS       | ✓           |                                      |           |  |            |
| <a href="#">Child Development Associate (CDA)</a>      | ✓           |                                      | ✓         |  | CDEVA      |
| Cosmetology – MO Division of Professional Registration | ✓           |                                      | ✓         |  | CSCBE      |
| Cosmetology – SkillsUSA                                | ✓           |                                      |           |  |            |
| Cosmetology – NOCTI                                    | ✓           |                                      |           |  |            |
| Early Childhood Care and Education– NOCTI              | ✓           |                                      |           |  |            |
| Early Childhood Education – AAFCS                      | ✓           |                                      | ✓         |  | AAFCS-ECE  |
| Family and Community Services – AAFCS                  | ✓           |                                      | ✓         |  | AAFCS-FAM  |
| Fashion, Textiles, and Apparel – AAFCS                 | ✓           |                                      | ✓         |  | AAFCS-FASH |
| Food Science – AAFCS                                   | ✓           |                                      | ✓         |  | AAFCS-FS   |
| Interior Decorating and Design – NOCTI                 | ✓           |                                      |           |  |            |
| Interior Design Fundamentals – AAFCS                   | ✓           |                                      | ✓         |  | AAFCS-ID   |
| <a href="#">Nail Care</a> - State Cosmetology Board    | ✓           |                                      | ✓         | Nail Technician—Missouri State Board of Cosmetology and Barber Examiners—Manicure. | NTSCBE     |
| Nail Care – NOCTI                                      | ✓           |                                      |           |  |            |








|                       |   |  |   |  |         |
|-----------------------|---|--|---|--|---------|
| Nail Care – SkillsUSA |  |  |   |  |         |
| Nutrition – AAFCS     |  |  |  |  | AAFCS-N |

## Information Technology

| Assessment   | Perkins TSA | Clarification/Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016)  | IRC Code  |
|--|-------------|--------------------------------------|-----------|--|-----------|
| Adobe Certified Associate (ACA)  | ✓           |                                      | ✓         |  | Adobe CAC |
| <a href="#">C + + Certified Associate Programmer</a>                             | ✓           |                                      | ✓         |  | CAP       |
| Certified Internet Web Professional – CIW  | ✓           |                                      | ✓         | Student must earn at least one certificate by passing requisite assessments for that certificate: Web Development Professional Certificate, Web Foundation Associate Certificate, Web Design Professional Certificate, or Web Security Associate Certificate | CIW       |
| Cisco Certified Entry level Network Technician (CCENT)                           | ✓           |                                      | ✓         |  | CCENT     |
| Cisco Certified Network Association (CCNA) Final Exam – Cisco Networking Academy | ✓           |                                      |           |  |           |
| Cisco Certified Networking Associate Security (CCNA Security)                    | ✓           |                                      | ✓         |  | CCNA-S    |
| Cisco CCNA Discovery Final Exam – Cisco Networking Academy                       | ✓           |                                      |           |  |           |
| Cisco CCNA Exploration Final Exam – Cisco Networking Academy                     | ✓           |                                      |           |  |           |
| Cisco CCNP Final Exam – Cisco Networking Academy                                 | ✓           |                                      |           |  |           |



|  |   |  |   |   |            |
|--|---|--|---|---|------------|
| Cisco I.T. Essentials Final Exam – Cisco Networking Academy  | ✓ |  |   |   |            |
| CompTIA A+ Certification   | ✓ |  | ✓ |   | COMPTIA    |
| CompTIA Network+   | ✓ |  | ✓ |   | COMPNTIA   |
| CompTIA Security   | ✓ |  | ✓ |   | COMPSECTIA |
| <a href="#">CompTIA Strata</a> (this assessment includes CompTIA Strata Fundamentals through August 2015 and CompTIA Strata IT Fundamentals after August 2015) | ✓ |  | ✓ | Assessment name change in 2015. Student must pass CompTIA Strata IT Fundamentals after August 2015. | COMPSTRTIA |
| Computer Maintenance and Networking– TestOut   | ✓ |  |   |   |            |
| Computer Maintenance Technology – SkillsUSA  | ✓ |  |   |   |            |
| Computer Networking – NOCTI  | ✓ |  |   |   |            |
| Computer Programming – NOCTI   | ✓ |  |   |   |            |
| Computer Repair Technology – NOCTI   | ✓ |  |   |   |            |
| <a href="#">Final Cut Certified Pro</a>  | ✓ |  | ✓ |   | FCCP       |
| Internetworking – SkillsUSA  | ✓ |  |   |   |            |
| Microsoft MTA  | ✓ |  | ✓ | Student must earn the IT Infrastructure, Database or Developer MTA certification                    | MTA        |
| <a href="#">Microsoft Office Specialist</a>  | ✓ |  | ✓ | Students must pass Word, Excel, PowerPoint and Access.  | MOS        |
| *Missouri IT Exam, Sequence 1  | ✓ |  |   |   |            |

|   |   |  |   |   |           |
|---|---|--|---|---|-----------|
| (50% Computer Applications; 50% Business Technology) – NOCTI  |   |  |   |   |           |
| *Missouri IT Exam, Sequence 2 (50% Computer Applications; 25% Desktop Publishing; 25% Multimedia)– NOCTI                  |    |  |   |   |           |
| *Missouri IT Exam, Sequence 3 (50% Computer Applications; 25% Desktop Publishing; 25% Web Design)– NOCTI                  |    |  |   |   |           |
| *Missouri IT Exam, Sequence 4 (25% Computer Applications; 25% Desktop Publishing; 25% Multimedia; 25% Web Design) – NOCTI |    |  |   |   |           |
| *Missouri IT Exam, Sequence 5 (50% Computer Applications; 25% Web Design; 25% Multimedia) – NOCTI                         |    |  |   |   |           |
| Oracle Database SQL Fundamentals I  |  |  |  |   | ODSFI     |
| <a href="#">Network Pro</a>   |  |  |  | Students must pass the TestOut Network Pro assessment to have earned an IRC. The school and teacher must have signed proctoring | TONETWPRO |




|                                    |   |  |   |  |          |
|------------------------------------|---|--|---|--|----------|
|                                    |   |  |   | agreements on file.  |          |
| <a href="#">OPAC</a>               | ✓ |  |   |  |          |
| <a href="#">Security Pro</a>       | ✓ |  | ✓ | Students must pass the TestOut Security Pro assessment to have earned an IRC. The school and teacher must have signed proctoring agreements on file. | TOSECPRO |
| <a href="#">TestOut PC Pro</a>     | ✓ |  | ✓ | Students must pass the TestOut PC Pro assessment to have earned an IRC. The school and teacher must have signed proctoring agreements on file.       | TOPCPRO  |
| <a href="#">Web Design (NOCTI)</a> | ✓ |  |   |  |          |

### Missouri IT Exams








- State Developed [Assessment Blueprints & Pricing Information](#)
- \*If administering the NOCTI pre and post-test, pretest must be administered prior to November 30th. Please reference NOCTI's [pretest policy](#)
















**Law, Public Safety, Corrections and Security**

| <b>Assessment</b>  | <b>Perkins<br/>TSA</b> | <b>Clarification/<br/>Reporting Criteria TSA</b> | <b>MSIP5<br/>IRC</b> | <b>Clarification/Reporting<br/>Criteria IRC</b>                           | <b>IRC Code</b> |
|--|------------------------|--|----------------------|---|-----------------|
| <a href="#">Basic Firefighter</a> – Mo<br>Division of Fire Safety  | ✓                      |  |                      |   |                 |
| <a href="#">Crime Scene Investigation<br/>&amp; Criminal Justice</a> –<br>SkillsUSA  | ✓                      |  |                      |   |                 |
| <a href="#">Criminal Justice</a> – NOCTI   | ✓                      |  |                      |   |                 |
| <a href="#">Criminal Justice</a> – Precision<br>Exams  | ✓                      |  |                      |   |                 |
| <a href="#">Emergency and Fire<br/>Management Services</a> –<br>NOCTI (Added as a TSA<br>2.4.2015)   | ✓                      |  |                      |   |                 |
| <a href="#">EMT-Basic</a> – Brainbench   | ✓                      |  |                      |   |                 |
| <a href="#">EMT-Basic</a> – NREMT  | ✓                      |  | ✓                    |   | NREMT           |
| <a href="#">Firefighter I &amp; II</a> – MO<br>Division of Fire Safety   | ✓                      |  | ✓                    | Students must pass both<br>Firefighter I and II to have<br>earned the IRC | FIREII          |
| <a href="#">Hazardous Materials<br/>Awareness and<br/>Operations</a> (when bundled<br>with Basic Firefighter) –<br>Missouri Emergency<br>Response Commission or<br>Missouri Division of Fire<br>Safety | ✓                      |  |                      |   |                 |

|  |   |   |   |  |        |
|--|---|---|---|--|--------|
| Law Enforcement/Criminal Justice-- <a href="#">MOLESK</a>  |  | The written assessment is approved as a TSA for Perkins.                |  | A student must pass both the written assessment and the performance assessment to earn the IRC. Host testing sites must be approved and registered; all sites must adhere to all MOLESK testing protocols for assessments to be valid. | MOLESK |
| Peace Officer Standards and Training-- <a href="#">Department of Public Safety - Peace Officer Standards and Training</a> POST |  | This assessment is approved as a TSA for the post-secondary level only. |   |  |        |

### Manufacturing

| Assessment   | Perkins TSA   | Clarification/Reporting Criteria TSA | MSIP5 IRC   | Clarification/Reporting Criteria IRC (Effective FY2016) | IRC Code |
|--|---|--------------------------------------|---|---|----------|
| Automated Manufacturing Technology – SkillsUSA                                   |   |                                      |   |   |          |
| Cabinetmaking – SkillsUSA  |  |                                      |   |   |          |
| Certified Computer Service Technician – ETA                                      |  |                                      |  |   | ETA      |
| Certified Production Technician (CPT)  |  |                                      |  |   | CPT      |
| Cisco Certified Network Association (CCNA) Final Exam – Cisco Networking Academy |  |                                      |   |   |          |

|   |   |  |   |  |       |
|---|---|--|---|--|-------|
| Cisco CCNA Discovery Final Exam – Cisco Networking Academy                              |    |  |   |  |       |
| Cisco CCNP Final Exam – Cisco Networking Academy  |    |  |   |  |       |
| Cisco I.T. Essentials Final Exam – Cisco Networking Academy                             |    |  |   |  |       |
| Cisco CCNA Exploration Final Exam – Cisco Networking Academy                            |    |  |   |  |       |
| <a href="#">Cisco Student Certification</a>   |    |  |    | <b>This assessment will be available for MSIP reporting beginning in June, 2019.</b> Student must pass both Introduction to Networking and Routing and Switching Essentials at a 75% level on both the performance and written components of the test. |       |
| CNC Milling and Turning Technology – SkillsUSA  |    |  |   |  |       |
| Computer Repair and Computer Networking – Cisco Networking Academy                      |    |  |   |  |       |
| Electronics Technicians Association (ETA)   |  |  |  |  | ETA   |
| International Society of Certified Electronics Technicians (ISCET) Online Certification |  |  |  |  | ISCET |
| Electronics Applications & Technology – SkillsUSA                                       |  |  |   |  |       |
| Electronics Technology – NOCTI  |  |  |   |  |       |
| Industrial Electricity –  |  |  |   |  |       |

|  |   |   |   |   |      |
|--|---|---|---|---|------|
| NOCTI  |   |   |   |   |      |
| IT Essentials I final exam – CISCO   | ✓ |   |   |   |      |
| Machine Tool Technology – NIMS   | ✓ |   | ✓ |   | NIMS |
| Major Appliance Technology – SkillsUSA   | ✓ |   |   |   |      |
| <a href="#">Manufacturing Technician Level 1 (MT1) Certification from the Manufacturing Skills Institute</a> | ✓ |   | ✓ |   | MT1  |
| Manufacturing Technology – NOCTI   | ✓ |   |   |   |      |
| Mechatronics – SkillsUSA   | ✓ |   |   |   |      |
| Precision Machining – NOCTI  | ✓ |   |   |   |      |
| Robotics Technology – CERT   | ✓ |   |   |   |      |
| Robotics and Automation Technology – SkillsUSA   | ✓ |   |   |   |      |
| Telecommunications Cabling – SkillsUSA   | ✓ |   |   |   |      |
| American Welding Society– AWS  | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student’s current teacher. | ✓ | Passing the <a href="#">NCCER</a> Welding Exam or SkillsUSA Welding Exam or NOCTI Welding Exam or Precision Welding Exam or SENSE exam <b>PLUS</b> pass at least one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student’s current teacher. | AWS  |
| Welding—NCCER  | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher  | ✓ | Passing the <a href="#">NCCER</a> Welding Exam <b>PLUS</b> passing at least one weld evaluated and  | AWS  |

|  |   |   |   |   |     |
|--|---|---|---|---|-----|
| Please contact Cathy Tyler (386-518-6949) or at <a href="mailto:Ktyler@nccer.org">Ktyler@nccer.org</a> with NCCER to set up your program and to purchase the NCCER exam. |   | or inspector who is not the student's current teacher.  |   | approved by an AWS-certified teacher or inspector who is not the student's current teacher.   |     |
| Welding – NOCTI  | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher. | ✓ | Passing the NOCTI Welding Exam exam <b>PLUS</b> passing at least one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher. | AWS |
| Welding-- <a href="#">SENSE</a>  | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher. | ✓ | Passing the SENSE exam <b>PLUS</b> passing at least one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher.              | AWS |
| Welding – SkillsUSA  | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher. | ✓ | Passing the SkillsUSA Welding Exam <b>PLUS</b> passing at least one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher.  | AWS |
| Welding Technician Intermediate 596— <a href="#">Precision Exams</a>   | ✓ | The TSA does not require one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher. | ✓ | Passing the Precision Welding Exam <b>PLUS</b> passing at least one weld evaluated and approved by an AWS-certified teacher or inspector who is not the student's current teacher.  | AWS |

#### Marketing

| Assessment | Perkins TSA | Clarification/<br>Reporting Criteria TSA | MSIP5 IRC | Clarification/Reporting<br>Criteria IRC (Effective | IRC Code |
|------------|-------------|--|-----------|--|----------|
|------------|-------------|--|-----------|--|----------|



|  |   |  |   |                |          |
|--|---|--|---|----------------|----------|
|  |   |  |   | <b>FY2016)</b> |          |
| ASK  | ✓ |  | ✓ |                | ASK-MKTG |
| Cooperative Education<br>Employability Skills– NOCTI               | ✓ |  |   |                |          |
| Entrepreneurship – MBA<br>Research                                 | ✓ |  |   |                |          |
| Marketing End of Program –<br>MBA Research                         | ✓ |  |   |                |          |
| Workplace Readiness –<br>NOCTI (Approved for CCE<br>programs only) | ✓ |  |   |                |          |

**Science, Technology, Engineering and Mathematics**

| <b>Assessment</b>                                     | <b>Perkins<br/>TSA</b> | <b>Clarification/<br/>Reporting Criteria TSA</b>   | <b>MSIP5</b> | <b>Clarification/Reporting<br/>Criteria IRC (Effective<br/>FY2016)</b> | <b>IRC Code</b> |
|---|------------------------|--|--------------|--|-----------------|
| Marine Service<br>Technology – SkillsUSA              | ✓                      |  |              |  |                 |
| Pre-<br>Engineering/Engineering<br>Technology – NOCTI | ✓                      |  |              |  |                 |
| Project Lead The Way                                  | ✓                      | Student must pass two of<br>three PLTW engineering or<br>two of three biomedical EOCs<br>with a stanine score of six or<br>above on each assessment. |              |  |                 |
| Volvo Penta   | ✓                      |  |              |  |                 |
| Mercury Marine  | ✓                      |  |              |  |                 |

**Transportation, Distribution and Logistics**

| Assessment   | Perkins TSA | Clarification/ Reporting Criteria TSA  | MSIP5 IRC | Clarification/Reporting Criteria IRC (Effective FY2016)   | IRC Code |
|--|-------------|--|-----------|---|----------|
| <a href="#">Auto Collision Repair Technology-ASE</a>         | ✓           | A student must pass either B2 or B3. NATEF and ASE work together with NATEF covering curricular areas and ASE the credentialing.   | ✓         | A student must pass either B2 or B3. NATEF and ASE work together with NATEF covering curricular areas and ASE the credentialing.  | ASE      |
| Auto Technology – Today's Class                              | ✓           |  |           |   |          |
| Automotive Refinishing – SkillsUSA                           | ✓           |  |           |   |          |
| Automotive Service Technology – SkillsUSA                    | ✓           |  |           |   |          |
| Automotive Technician Advanced – NOCTI                       | ✓           |  |           |   |          |
| Automotive Technician Core – NOCTI                           | ✓           |  |           |   |          |
| <a href="#">Automotive Technician Examination</a> – ASE      | ✓           | A student will complete the ASE assessment in Brakes, Steering and Suspension, Engine Performance, and Electrical. If the student's average score is higher than the average cut score in these four areas, the student will be marked as a pass | ✓         | Student must pass all four core assessments: brakes, steering and suspension, engine performance, and electrical <b>OR</b> the student must pass MLR plus one of the following: brakes, steering and suspension, engine performance OR electrical | ASE      |
| Automotive Youth Education Systems Exit Examination – AYES   | ✓           |  |           |   |          |
| Aviation Maintenance Technology (Secondary) – SkillsUSA      | ✓           |  |           |   |          |
| Aviation Maintenance Technology (Post secondary) – SkillsUSA | ✓           |  |           |   |          |

|  |   |   |   |  |      |
|--|---|---|---|--|------|
| Collision Repair/Refinishing Technology(combination) – NOCTI | ✓ |   |   |  |      |
| Collision Repair – NOCTI                                     | ✓ |   |   |  |      |
| <a href="#">Collision Repair</a> – ICAR                      | ✓ |   | ✓ | Student must pass either NST ProLevel 1 or REF ProLevel 1 to earn the IRC.                                       | ICAR |
| Collision Repair Technology – SkillsUSA                      | ✓ |   |   |  |      |
| Diesel Engine Technology – NOCTI                             | ✓ |   |   |  |      |
| Medium/Heavy Truck (Diesel) - ASE                            | ✓ | A student will complete the ASE assessment in brakes, steering and suspension, engine performance, and electrical. When a student's average score is higher than the average cut score in these four areas, the student will be marked as a pass. | ✓ | Student must pass all four core assessments: brakes, steering and suspension, engine performance, and electrical | ASE  |
| Diesel Engines & Electronic Systems – SkillsUSA              | ✓ |   |   |  |      |
| Heavy Equipment Maintenance and Repair – NOCTI               | ✓ |   |   |  |      |
| Motorcycle Service Technology – SkillsUSA                    | ✓ |   |   |  |      |
| Power Equipment Technology – SkillsUSA                       | ✓ |   |   |  |      |
| Small Engine Technology – NOCTI                              | ✓ |   |   |  |      |

## IRC SUMMARY

The following chart indicates the dates each IRC has been active for MSIP purposes.

| Assessment  | IRC Code  | MSIP IRC<br>July 2012<br>through<br>June 2014 | MSIP IRC<br>July 2014<br>through<br>June 2015 | MSIP IRC<br>July 2014<br>through<br>June 2017 | MSIP<br>IRC<br>July 2015<br>through<br>June<br>2018 | MSIP<br>IRC<br>July 2016<br>through<br>June<br>2019 | MSIP IRC<br>July 2017<br>Through<br>June 2019 | MSIP IRC<br>July 2018<br>Through<br>June 2020 |
|---|-----------|---|---|---|---|---|---|---|
| MO Agriculture Skill & Knowledge Assessment   | AGSK      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| Adobe Certified Specialist <ul style="list-style-type: none"> <li>• Adobe Photoshop</li> <li>• Adobe Flash Professional</li> <li>• Adobe Illustrator</li> <li>• Adobe Dreamweaver</li> <li>• Adobe Premier</li> <li>• Adobe InDesign</li> </ul> | ADOBE-CAC | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| Air Conditioning Certification – HVAC Excellence  | HVAC      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| American Culinary Federation - ACF  | ACF       | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| American Design Drafting Association- (ADDA)  | ADDA      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| American Hotel and Lodging Association (AH&LA)  | AHLA      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| American Welding Society– AWS   | AWS       | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| ASK (Marketing)   | ASK-MKTG  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| ASK (Finance)   | ASK-FIN   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |

|  |            |   |   |   |   |   |   |   |
|--|------------|---|---|---|---|---|---|---|
| Autodesk Professional Certification (Certified Professional assessments):<br><ul style="list-style-type: none"> <li>• AutoCAD Certified Professional</li> <li>• Revit Architecture Certified Professional</li> <li>• Revit Structure Certified Professional</li> <li>• Revit MEP Certified Professional: Mechanical</li> <li>• Revit MEP Certified Professional: Electrical</li> <li>• Inventor Certified Professional</li> <li>• 3ds Max Certified Professional</li> <li>• Maya Certified Professional</li> </ul> | ACP        |   |   |   | ✓ | ✓ | ✓ | ✓ |
| Automotive Technician CorePDF Document – NOCTI   |            | ✓ |   |   |   |   |   |   |
| Automotive Technician Examination – ASE  | ASE        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <a href="#">C + + Certified Associate Programmer</a>   | CAP        |   |   |   |   |   | ✓ | ✓ |
| <a href="#">Carpentry</a> -- NCCER   | NCCER-CARP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpentry – PACT   | PACT       | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpentry PDF Document – NOCTI   |            | ✓ |   |   |   |   |   |   |
| Certification for Legal Professionals – ALS  | ALS        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Computer Service Technician – ETA  | ETA        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Dental Assistant, Infection Control Exam (ICE) – Dental Assisting National Board, Inc.   | CDAICE     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Dental Assistant, Radiation Health & Safety Exam (RHS) – Dental Assisting National Board, Inc.   | CDARHS     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Internet Web Professional – CIW  | CIW        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Nurse Aide (CNA) – Missouri Department of Health and Senior Services   | CNA        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified Production Technician (CPT)  | CPT        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Child Development Associate (CDA)  | CDEVA      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cisco Certified Networking Associate Security (CCNA Security)  | CCNA-S     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cisco CCNA Discovery Final Exam – Cisco Networking Academy   |            | ✓ |   |   |   |   |   |   |
| Cisco CCNA Exploration Final Exam – Cisco Networking Academy   |            | ✓ |   |   |   |   |   |   |
| Cisco CCNP Final Exam – Cisco Networking Academy   |            | ✓ |   |   |   |   |   |   |

|  |            |   |   |   |   |   |   |   |
|--|------------|---|---|---|---|---|---|---|
| Cisco Certified Entry level Network Technician (CCENT)                                       | CCENT      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cisco Certified Network Association (CCNA) Final Exam – Cisco Networking Academy             |            | ✓ |   |   |   |   |   |   |
| Cisco I.T. Essentials Final Exam – Cisco Networking Academy                                  |            | ✓ |   |   |   |   |   |   |
| Cisco Student Certification  |            |   |   |   |   |   |   |   |
| Collision Repair – ICAR  | ICAR       | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Collision Repair PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| CompTIA A+ Certification   | COMPTIA    | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CompTIA Network+   | COMPNTIA   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CompTIA Security   | COMPSECTIA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CompTIA IT Fundamentals (Replaced the retired CompTIA Strata IT Fundamentals exam 8.30.2015) | COMPSTRTIA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <a href="#">Construction</a> NCCER   | NCCER-CNST | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cosmetology – MO Division of Professional Registration                                       | CSCBE      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cosmetology PDF Document – NOCTI   |            | ✓ |   |   |   |   |   |   |
| Criminal Justice PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| Culinary Arts – AAFCS  | AAFCS-CA   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Culinary Arts I: Prep Cook PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| Culinary Arts II: Cook PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| Diesel Engine Technology PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| Early Childhood Care and Education PDF Document – NOCTI                                      |            | ✓ |   |   |   |   |   |   |
| Early Childhood Education – AAFCS  | AAFCS-ECE  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Education Fundamentals – AAFCS   | AAFCS-EF   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electronics Technicians Association (ETA)  | ETA        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EMT-Basic – NREMT  | NREMT      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Family and Community Services – AAFCS  | AAFCS-FAM  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Fashion, Textiles and Apparel – AAFCS  | AAFCS-FASH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Final Cut Certified Pro  | FCCP       |   |   |   | ✓ | ✓ | ✓ | ✓ |
| Firefighter I – MO Division of Fire Safety   |            | ✓ | ✓ |   |   |   |   |   |

|   |            |   |   |   |   |   |   |   |
|---|------------|---|---|---|---|---|---|---|
| Firefighter I & II – MO Division of Fire Safety   | FIREII     |   |   | ✓ | ✓ | ✓ | ✓ | ✓ |
| Food Science – AAFCS  | AAFCS-FS   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Fundamental Business Concepts – ASK Institute   | ASK        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Graphic Communications – SkillsUSA/PrintED<br>SkillsUSA Graphic Design (name change 2016)                                       | GCOM-SUSA  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Housing – AAFCS   | AAFCS-HOUS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HVAC--NCCER   | NCCER-HVAC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HVAC/RPDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| HVACPDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |
| Interior Design Fundamentals – AAFCS  | AAFCS-ID   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| International Society of Certified Electronics Technicians (ISCET) Online Certification   | ISCET      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Law Enforcement/Criminal Justice <a href="#">–MOLESK</a>  | MOLESK     |   |   |   |   |   | ✓ | ✓ |
| Machine Tool Technology – NIMS  | NIMS       | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <a href="#">Manufacturing Technician Level 1 (MT1)</a><br><a href="#">Certification from the Manufacturing Skills Institute</a> | MT1        |   |   |   |   |   | ✓ | ✓ |
| <a href="#">Masonry-NCCER</a>   | NCCER-     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Medium/Heavy Truck (Diesel) - ASE   | ASE        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Mercury Marine  |            | ✓ |   |   |   |   |   |   |
| Microsoft MTA   | MTA        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Microsoft Office Specialist   | MOS        |   |   |   | ✓ | ✓ | ✓ | ✓ |
| Missouri Assessment of Basic Dental Assisting Skills  |            |   |   |   |   |   |   |   |
| Nail Care – SkillsUSA   |            |   |   |   |   |   |   |   |
| Nail Care – State Cosmetology Board   | NTSCBE     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| National Automotive Technicians Education Foundation – NATEF  | NATEF      | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| National Health Care Foundation Skill Standard Assessment – National Consortium on Health Science and Technology Ed.            |            | ✓ |   |   |   |   |   |   |
| TestOut <a href="#">Network Pro</a>   | TONETWPRO  |   |   |   |   |   | ✓ | ✓ |
| Nutrition – AAFCS   | AAFCS-N    | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Oracle Database SQL Fundamentals I  | ODSFI      |   |   |   | ✓ | ✓ | ✓ | ✓ |
| Precision Machining PDF Document – NOCTI  |            | ✓ |   |   |   |   |   |   |

|   |           |   |   |   |   |   |   |   |   |
|---|-----------|---|---|---|---|---|---|---|---|
| <a href="#">PrintED/SkillsUSA Advertising Design</a>                    | GCOM-SUSA |   |   |   |   |   |   | ✓ | ✓ |
| ProStart Program – National Restaurant Association Education Foundation | PROSTART  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TestOut <a href="#">SecurityPro</a>                                     | TOSECPRO  |   |   |   |   |   |   | ✓ | ✓ |
| Technical Drafting PDF Document– NOCTI                                  |           | ✓ |   |   |   |   |   |   |   |
| <a href="#">TestOut PC Pro</a>  | TOPCPRO   |   |   |   |   |   |   | ✓ | ✓ |
| Veterinary Assistant – Animal Care Technologies                         | AGVET     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Volvo Penta   |           | ✓ |   |   |   |   |   |   |   |
| Welding PDF Document– NOCTI   |           | ✓ |   |   |   |   |   |   |   |
| Youth Development Credential  | YDEVA     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

## MOSIS/IRC Code Sets

| Name   | Code       | Definition   | Effective Date |
|--|------------|--|----------------|
| MO Agriculture Skill & Knowledge Assessment        | AGSK       | MO Agriculture Skill & Knowledge Assessment        | 7/1/2012       |
| Veterinary Assistant Animal Care Technologies-MVMA | AGVET      | Veterinary Assistant Animal Care Technologies-MVMA | 7/1/2012       |
| HVAC Excellence                                    | HVAC       | HVAC Excellence                                    | 7/1/2012       |
| Carpentry-PACT                                     | PACT       | Carpentry-PACT                                     | 7/1/2012       |
| American Design Drafting Association (ADDA)        | ADDA       | American Design Drafting Association (ADDA)        | 7/1/2012       |
| Graphic Communication-SkillsUSA/PrintED            | GCOM-SUSA  | Graphic Communication-SkillsUSA                    | 7/1/2012       |
| Adobe Certified Specialist Certification           | ADOBE-CAC  | Adobe Certified Associate Certification            | 7/1/2012       |
| Fashion Textiles & Apparel-AAFCS                   | AAFCS-FASH | Fashion Textiles & Apparel-AAFCS                   | 7/1/2012       |
| Housing-AAFCS                                      | AAFCS-HOUS | Housing-AAFCS                                      | 7/1/2012       |
| Certification for Legal Professionals-ALS          | ALS        | Certification for Legal Professionals-ALS          | 7/1/2012       |
| A*S*K* Certification-A*S*K Business Institute      | ASK        | A*S*K* Certification-A*S*K Business Institute      | 7/1/2012       |
| Certified Nurse Aide (CNA)                         | CNA        | Certified Nurse Aide (CNA)                         | 7/1/2012       |

Updated 04.05.2018



|   |            |   |          |
|---|------------|---|----------|
| Nutrition - AAFCS   | AAFCS-N    | Nutrition - AAFCS   | 7/1/2012 |
| National Registry of Emergency Medical Technician   | NREMT      | National Registry of Emergency Medical Technician   | 7/1/2012 |
| Certified Dental Assistant, Radiation Health & Safety Exam- Dental Assisting National Board, Inc. | CDARHS     | Certified Dental Assistant, Radiation Health & Safety Exam- Dental Assisting National Board, Inc. | 7/1/2012 |
| Certified Dental Assistant, Infection Control Exam- Dental Assisting National Board, Inc.         | CDAICE     | Certified Dental Assistant, Infection Control Exam- Dental Assisting National Board, Inc.         | 7/1/2012 |
| Child Development Associate   | CDEVA      | Child Development Associate   | 7/1/2012 |
| Early Childhood Education-AAFCS   | AAFCS-ECE  | Early Childhood Education-AAFCS   | 7/1/2012 |
| Education Fundamental-AAFCS   | AAFCS-EF   | Education Fundamental-AAFCS   | 7/1/2012 |
| Family and Community Services -AAFCS  | AAFCS-FAM  | Family and Community Services -AAFCS  | 7/1/2012 |
| Food Science-AAFCS  | AAFCS-FS   | Food Science-AAFCS  | 7/1/2012 |
| Interior Design Fundamentals-AAFCS  | AAFCS-ID   | Interior Design Fundamentals-AAFCS  | 7/1/2012 |
| Youth Development Credential  | YDEVA      | Youth Development Credential  | 7/1/2012 |
| Cosmetology-State Cosmetology Board Exam  | CSCBE      | Cosmetology-State Cosmetology Board Exam  | 7/1/2012 |
| Nail Technician-State Cosmetology Board Exam  | NTSCBE     | Nail Technician-State Cosmetology Board Exam  | 7/1/2012 |
| Culinary Arts-AAFCS   | AAFCS-CA   | Culinary Arts-AAFCS   | 7/1/2012 |
| American Culinary Federation-ACF  | ACF        | American Culinary Federation Retail Baking -ACF   | 7/1/2012 |
| National Restaurant Association Education Foundation - ProStart                                   | PROSTART   | National Restaurant Association Education Foundation - ProStart                                   | 7/1/2012 |
| American Hotel and Lodging Association (AH&LA)  | AHLA       | American Hotel and Lodging Association (AH&LA)  | 7/1/2012 |
| CompTIA A+ Certification  | COMPTIA    | CompTIA A+ Certification  | 7/1/2012 |
| Comp TIA Network+ Certification   | COMPNTIA   | Comp TIA Network+ Certification   | 7/1/2012 |
| CompTIA Security+   | COMPSECTIA | CompTIA Security+   | 7/1/2012 |
| CompTIA Strata  | COMPSTRTIA | CompTIA Strata  | 7/1/2012 |
| Cisco Certified Entry Level Network Technician (CCENT)  | CCENT      | Cisco Certified Entry Level Network Technician (CCENT)  | 7/1/2012 |
| Cisco Certified Network Associate Security (CCNA Security)  | CCNA-S     | Cisco Certified Network Associate Security (CCNA Security)  | 7/1/2012 |
| Microsoft MTA   | MTA        | Microsoft MTA   | 7/1/2012 |
| Certified Internet Web Professional (CIW)   | CIW        | Certified Internet Web Professional (CIW)   | 7/1/2012 |
| Fire II - Missouri Division of Fire Safety  | FIREII     | Fire II - Missouri Division of Fire Safety  | 7/1/2012 |
| American Welding Society (AWS)  | AWS        | American Welding Society (AWS)  | 7/1/2012 |

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| National Institute for Metalworking Skills   | NIMS       | National Institute for Metalworking Skills   | 7/1/2012 |
| Electronics Technicians Association (ETA)  | ETA        | Electronics Technicians Association (ETA)  | 7/1/2012 |
| International Society of Certified Electronics Technicians (ISCET)                           | ISCET      | International Society of Certified Electronics Technicians (ISCET)                           | 7/1/2012 |
| National Automotive Technicians Ed. (NATEF)  | NATEF      | National Automotive Technicians Ed. (NATEF)  | 7/1/2012 |
| Collision Repair - ICAR  | ICAR       | Collision Repair - ICAR  | 7/1/2012 |
| Automotive Technician Exam (Student Certification)-ASE                                       | ASE        | Automotive Technician Exam (Student Certification)-ASE                                       | 7/1/2012 |
| Certified Production Technician (CPT)  | CPT        | Certified Production Technician (CPT)  | 7/1/2012 |
| Autodesk Certified Professional  | ACP        | Autodesk Certified Professional  | 7/1/2015 |
| Final Cut Certified Pro  | FCCP       | Final Cut Certified Pro  | 7/1/2015 |
| Microsoft Office Specialist  | MOS        | Microsoft Office Specialist  | 7/1/2015 |
| Oracle Database SQL Fundamentals I   | ODSFI      | Oracle Database SQL Fundamentals I   | 7/1/2015 |
| C + + Certified Associate Programmer   | CAP        | C + + Certified Associate Programmer   | 7/1/2016 |
| Manufacturing Technician Level 1 (MT1) Certification from the Manufacturing Skills Institute | MT1        | Manufacturing Technician Level 1 (MT1) Certification from the Manufacturing Skills Institute | 7/1/2016 |
| Masonry-NCCER  | NCCER-MAS  | NCCER-Masonry  | 7/1/2016 |
| TestOut PC Pro   | TOPCPRO    | TestOut PC Pro   | 7/1/2016 |
| TestOut Network Pro  | TONETWPRO  | TestOut Network Pro  | 7/1/2016 |
| TestOut Security Pro   | TOSECPRO   | TestOut Security Pro   | 7/1/2016 |
| Missouri Law Enforcement Skills and Knowledge  | MOLESK     | Missouri Law Enforcement Skills and Knowledge  | 7/1/2016 |
| ASK Certification - ASK Finance  | ASK-FIN    | ASK Certification - ASK Finance  | 7/1/2012 |
| ASK Certification - ASK Marketing  | ASK-MKTG   | ASK Certification - ASK Marketing  | 7/1/2012 |
| NCCER-Carpentry  | NCCER-CARP | NCCER-Carpentry  | 7/1/2012 |
| NCCER-Construction   | NCCER-CNST | NCCER-Construction   | 7/1/2012 |
| NCCER-HVAC   | NCCER-HVAC | NCCER-HVAC   | 7/1/2012 |

