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| Arts, A/V Technology & Communications | Actor, Director or Theater Educator | NO | • Concurrent enrollment in Theatre Course with a postsecondary partner  
Or  
• National Occupational Competency Testing Institute (NOCTI) in Arts, A/V Technology & Communications Performing Arts | • This standard acknowledges and adopts the Work Based Learning Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• OSHA 10 or equivalent |
| Arts Education | Arts Education | No | At least one of the following:  
• Concurrent/Dual Enrollment College Level Course (EEP)  
• Advanced Placement in 2-D Design or Drawing  
• Comprehensive Visual Arts Portfolio with Artist Statement: minimum of 15 pieces  
• NOCTI | • 3 – 4 consecutive years of Visual Arts Courses as aligned by individual district pathways  
• This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• Career Field specific Mentoring  
Recommend:  
Art History  
AP Art History |
| Craft & Fine Artist | Craft & Fine Artist | No | At least one of the following:  
• Concurrent/Dual Enrollment College Level Course (EEP)  
• Advanced Placement in 2-D Design or Drawing  
• NOCTI  
• Comprehensive Visual Arts Portfolio with Artist Statement: Includes a minimum of 15 pieces  
• Adobe Certification | • This standard acknowledges and adopts the Work Based Learning Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum). |
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| Arts, A/V Technology & Communications (cont.)      | Dancer/Choreographer                         | No                              | • Dance Education Assistant Certification from RI Dance Alliance, Inc. (portfolio review)  
• AP Capstone including AP Seminar and AP Research (College Boards)  
• Optional: National Honor Society for Dance Academics (NDEO) | • College Preparatory Courses for RI High School Diploma  
• 3 – 4 consecutive years of spiraling Dance Curriculum (meeting NCAS Proficient Level Minimum): technique, choreography and composition, dance history, anatomy (kinesiology), injury prevention, dance analysis and critique, pedagogy, production; and, may include arts management (back and front of house), costume (set, lighting) design and construction/implementation.  
• 3 Pre-AP Arts Dance Units (College Board)  
• This standard acknowledges and adopts the Work Based Learning Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• Internship with industry focus (e.g., assistant in private sector; dance company intern/apprentice in performing or arts management, marketing, and/or production; mentorship with choreographer or arts organization). |
|                                                    | Designer                                      | No                              | At least one of the following  
• Concurrent/Dual Enrollment College Level Course (EEP)  
• Advanced Placement in 2-D Design or Drawing  
• NOCTI  
• Comprehensive Visual Arts Portfolio with Artist Statement: Includes a minimum of 15 pieces  
• Adobe Certification | • This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• WBL in Visual Arts or related mentoring program |
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<td>Arts, A/V Technology &amp; Communications (cont.)</td>
<td>Graphic Communications Technology: Print Manufacturing – Pre-Production</td>
<td>Yes (Information Technology)</td>
<td>At least one of the following: - Certificate (GAERF-PrintED, Adobe, Skillconnect, NOCTI, AutoDesk, specialized proprietary software) - Diploma in graphics operations (Xerox), design or printing technology</td>
<td>Study graphic communications, computers, commercial printing processes, math, lithography, and safety procedures. Students should be placed on a track to earn an associate’s degree in graphic arts and imaging technology or printing and prepress technology. Optional: AP &amp; Project Lead the Way computer science pathway</td>
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<td>Graphic Communications Technology: Print Manufacturing – Production</td>
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<td>Graphic Communications Technology: Design &amp; Web/Print E – Commerce</td>
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<td>Graphic Communications Technology: Audio/Video</td>
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<td>Graphic Communications Technology: Advertising/Marketing</td>
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<td>Graphic Communications Technology: Sales/Support staff</td>
<td>Yes (Information Technology)</td>
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<td></td>
<td>- Certificate (GAERF-PrintED, Adobe, Skillconnect, NOCTI, AutoDesk, specialized proprietary software) - Diploma in graphics operations (Xerox), design or printing technology</td>
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| Arts, A/V Technology & Communications (cont.) | Media Communications | No                              | At least one of the following  
- NOCTI Broadcast Journalism Pathway Assessment  
- Adobe Premier Certification  
- Final Cut Pro-certification  
- Sony Vegas/Sound Forge Certification  
- Comportable video Editing Certification | 3 course sequence that develops the following skills: Filming; Film Editing, Non-linear Editing, Studio Production, News Writing and Editing, Navigating Legal/Ethical Media Issues, Cultivating Interviewing Sources.  
- This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum). |
|                        | Multimedia Artist                            | No                              | At least one of the following  
Concurrent/Dual Enrollment College Level Course (EEP)  
Advanced Placement in 2-D Design  
NOCTI-Visual Arts  
Adobe Certification  
Precision Exam-Visual Arts | This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
Recommended:  
Art History  
AP Art History |
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</table>
| Arts, A/V Technology & Communications (cont.) | Music Technologist | No | Concurrent enrollment in Music, Theatre, and Dance Department at RIC Courses:  
- MUS 118 Advanced Digital Audio Production I  
- MUS 119 Advanced Digital Audio Production II (minimum grade of C) | • 3 years (minimum) of core music performance class (Band, Chorus, Orchestra)  
• Music Technology I and  
• Music Technology II and  
• Music Technology III  
• This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• Career Field specific Mentoring  
Recommended Coursework  
Piano; Computer Science; Music Theory; Music History  
• AP/EEP Music Theory  
• EEP Music History . |
| | Musician/Music Educator | No | Concurrent enrollment in the Music, Theatre, and Dance Department at RIC Courses:  
- MUS 203 Elementary Music Theory and  
- MUS 201 Survey of Music Survey of Music (minimum grade of c) | • 3 years (minimum – 4 preferred) of core music performance class (Band, Chorus, Orchestra)  
• AP/EEP Music Theory  
• EEP Music History  
• This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
• Career Field specific Mentoring  
Recommended:  
Private Lessons strongly recommended  
All State, Solo & Ensemble Festival, Community/Church ensembles, Chamber Music, Jazz Band, Musical Theatre, Rock Band, etc. |
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</thead>
</table>
| Arts, A/V Technology & Communications (cont.) | Sound Engineering Technician | No | • NOCTI – Job Ready Assessment  
  • Audio/Video Communications  
  • TV Video/Film Production | • 1 Year Digital & Video Communication  
  • 1 Year Music Theory  
  • 1 Year Audio/Video Production  
  • 1 Year Music Technology & Sound Engineering  
  Equivalent of two years study in related electives such as:  
  • Digital & Video Communications  
  • Film & Literature  
  • Cultural Literacy  
  • Mass Media  
  • Theater Workshop  
  • This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  
  • Career Field specific Mentoring  
  • Capstone Project  
  • SkillsUSA Competition  
  • NOCTI Workplace Skills Career Readiness  
  • OSHA 10 |
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</table>
| Theater Technologist | No | • Concurrent/Dual Enrollment with postsecondary institution or NOCTI | • 3 Years of core theatre/performing arts coursework  
• OSHA 10 or equivalent training  
• This standard acknowledges and adopts the Work Based Learning (WBL) Standards as approved by the RI Governor’s Workforce Board  
Recommended: Speech; Greek & Roman History; Band; Chorus; Music Technology; Computer Science; Business; and, Carpentry.  
Recommended extra-curricular: Internship with partnering theater in performance arts productions. |
| Business Management, Administration, & Finance | Accounting Clerk, Entry-Level Banking | Yes (supports all GWB priority sectors) | Rhode Island Financial Scholars Program (EVERFI)  
+ at least one of the following:  
• NOCTI Certification  
• ASK Certification  
• NAFTrack Certification  
and + at least one of the following:  
• QuickBooks certification  
• National Retail Federation (NRF) Customer Service Certification  |
<p>| (Architecture) &amp; Construction | Junior Carpenter Helper | Yes (Construction) | NCCER Carpentry Level 1 and Level 2  |</p>
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<td>(Architecture) &amp; Construction</td>
<td>Electrical Apprentice</td>
<td>Yes (Construction)</td>
<td>NCCER Electrical Level 1 and Level 2</td>
<td>• NCCER Curriculum Core</td>
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<td>• OSHA 10 Construction</td>
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<td></td>
<td>• Construction Technology work-based learning experience and mentor program</td>
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<td>• Note: program participation counts toward related apprenticeship hours (up to 144 hours)</td>
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<td>HVAC Apprentice</td>
<td>Yes (Construction)</td>
<td>NCCER HVAC Level 1 and Level 2</td>
<td>• NCCER Curriculum Core</td>
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<td>• Note: program participation counts toward related apprenticeship hours (up to 144 hours)</td>
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<td>Plumber apprentice</td>
<td>Yes (Construction)</td>
<td>NCCER Plumbing Level 1 and Level 2</td>
<td>• NCCER Curriculum Core</td>
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<td>• Note: Employer will likely require a new hire to secure a physical exam prior to employment.</td>
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<td>• Note: program participation counts toward related apprenticeship hours (up to 144 hours)</td>
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<td>Welder – Entry-level</td>
<td>Yes (Construction)</td>
<td>NCCER Welding Level 1 and Level 2</td>
<td>• NCCER Curriculum Core</td>
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<td>• NCCER Introduction to the Maritime Industry</td>
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<td>• OSHA 10 Construction</td>
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<td>(Architecture) &amp; Construction (cont.)</td>
<td>Sheet Metal Apprentice</td>
<td>Yes (Construction)</td>
<td>NCCER Sheet Metal Level 1 and Level 2</td>
<td>• NCCER Curriculum Core</td>
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| Education, Training, and Human Services | Education (Education, Child Care, Teacher Assistant) | Yes                           | At least one of the following:  
• Approved Teacher Assistant Training program; and/or,  
• Passing score on the RI Parapro Exam | Minimum academic requirements:  
• 4 courses in English  
• 4 courses in Math  
• 3 courses in Science  
• 3 courses in S. Studies  
• At least one course in both technology and the arts  
• At least a minimum of three consecutive years of coursework in Education Pathway (to include birth to 21 with embedded content in English Language Learners (ELL) and children with special needs)  
• Recommended Coursework in Psychology, Sociology, Ethical Issues, and Financial Literacy)  
Safety requirements:  
• First Aid / CPR & AED Training  
Work requirements:  
• Work-based experience (Placement in a K-12 educational setting should be with a certified and tenured teacher. Early Childhood placement should be in a center with Bright Stars affiliation)  
Additional credentials (optional):  
• Rhode Island Early Learning and Development Standards Certificate  
• Red Cross Babysitting & Child Care Certificate  
• OSHA 10 |
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| Environmental and Life Sciences   | Animal Science Veterinary Assistant, Lab Animal Caretaker | Yes (Bioscience)               | At least one of the following: • National Occupational Competency Testing Institute (NOCTI): Small Animal Science and Technology  • Canine and Feline CPR and First Aid Certification • Concurrent Enrollment in the College of Environmental and Life Science at URI Course – AVS 101 | **Minimum academic requirements:**  
• 3-4 consecutive years of Environmental & Life Sciences Coursework  
• 4 years of Math  
• 3 years of Science, including Biology  
• Recommended coursework in Chemistry, Anatomy, Physiology  
**Work requirements:**  
• Environmental & Life Sciences work-based learning experience(s) and/or related mentoring program  
• Career Readiness Skills Component, (such as FFA LifeKnowledge, SkillsUSA Career Essential Suite)  
• OSHA 10 |
|                                   | Aquaculture / Agricultural and Food Science Technician | Yes (Bioscience)               | At least one of the following: • NOCTI - Agriculture, Food & Natural Resources  • Project Lead the Way Biomedical Science Pathway • College-level courses in field of study (concurrent, dual enrollment, or EEP) | **Minimum academic requirements:**  
• 3 consecutive years of Environmental & Life Sciences Aquaculture Coursework  
• 4 years of Math, including Algebra II (Recommended: Pre-Calculus and Statistics)  
• 3 years of Science, including Biology, Chemistry and Physical Science (Recommended: 4 years, including AP science)  
**Work requirements:**  
• Environmental & Life Sciences Work-Based Learning experience(s) and/or related mentoring program.  
• Career Readiness Skills Component (such as SkillsUSA Career Essentials Suite, Naviance, Junior Achievement)  
• Safety Training Component (recommended: OSHA 10) |
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| Environmental and Life Sciences (cont.) | Bioscience | Yes (Bioscience) | At least one of the following:  
- NOCTI - Health Science  
- 3 Project Lead the Way (PLTW) certificates in the Biomedical Science Pathway  
- Precision Exam in Health Science - Biotechnology  
- College-level courses in field of study (concurrent, dual enrollment, or EEP) | Minimum academic requirements:  
- 3 consecutive years of environmental & life sciences coursework  
- 4 years of math, including Algebra II (Recommended: Pre-Calculus and Statistics)  
- 3 years of Science, including Biology, Chemistry and Physical Science (Recommended: 4 years, including AP science)  
Work requirements:  
- Environmental & Life Sciences Work-Based Learning experience(s) and/or related mentoring program  
- Career Readiness Skills Component (such as SkillsUSA Career Essentials Suite, Naviance, Junior Achievement)  
- OSHA 10 |
| | Plant Science – Landscaper & Groundskeeper | Yes (Bioscience) | NOCTI Horticulture-Landscaping (or other related NOCTI assessment) | Minimum academic requirements:  
- 3-4 consecutive years of environmental & life sciences coursework  
- 4 years of math  
- 3-4 years of science  
Work requirements:  
- Environmental & Life Sciences Work-Based Learning experience(s) and/or related mentoring program  
- Career Readiness Skills Component (such as FFA LifeKnowledge, SkillsUSA Career Essentials Suite)  
- OSHA 10 Safe Workplace (recommended: Pesticide Safe Worker) |
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| Environmental and Life Sciences (cont.)| Process Technician (Chemical Manufacturing, Research & Development) | Yes (Bioscience)                | At least one of the following:  
  • Project Lead the Way (PLTW) Biomedical Science Pathway  
  • Concurrent/Dual Enrollment with CCRI                                           | Minimum academic requirements:  
  • 3-4 consecutive years of environmental & life sciences coursework  
  • 3 years of science, including chemistry  
  • 4 years of math, including basic applied mathematics  
  • Recommended coursework: mechanical, plumbing and HVAC or engineering (suggested: NCCER HVAC & Plumbing Levels 1 & 2)  
  • Science, mechanical, or engineering work-based learning experience (s) and/or related mentoring program  
  Work requirements:  
  • Career Readiness Skills Component (such as FFA LifeKnowledge, SkillsUSA Career Essentials Suite, Naviance, or Junior Achievement)  
  • OSHA 10                                                                 |
| Health Sciences / Medical Pathways     | Certified Nursing Assistant (CNA)              | Yes (Healthcare)                | RI CNA license                                                                                                                                   | 100 hours of practical training, 20 of which are offsite at an accredited care facility  
  • 16 hours of classroom instruction is prerequisite for beginning practical training |
|                                        | Certified Patient Care Technician (CPCT), provisional license | Yes (Healthcare)                | RI CPCT provisional license                                                                                                                      | Certification in CPR, AED, First Aid Certified, preferably through American Heart Association’s Basic Life Support (BLS) for Health Care Providers (HCP)  
  • Complete full accredited Nursing Assistant Training Program and obtain RI state CNA Licensure (300 total hours)  
  • Complete a full Patient Care Technician accredited program and successfully take the related exam (online/written)  
  • Curriculum: National Health Career Association (NHA) CPCPT |
<p>|                                        | Community Health Worker                        | Yes (Healthcare)                | Program completion (credential under development)                                                                                              | Note: this pathway is under development for RI, but these standards are adopted from Massachusetts. |</p>
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| Health Sciences / Medical Pathways (cont.) | Dental Hygienist                              | Yes (Healthcare)                 | RI Dental Hygiene license                                                        | Graduation from an accredited dental hygiene program  
Successful completion of the written National Board Dental Hygiene Examination  
Successful completion of a regional or state clinical board examination.  
*Note: The programs listed above are under development for state of RI; they do not currently exist.* |
|                                | Emergency Medical Technician                   | Yes (Healthcare)                 | RI EMT license                                                                   | First Aid  
CPR/AED  
Bureau of Criminal Investigation report  
*Note: students should receive certificate of completion  
Note: This career field also appears under the Law, Public Safety, and Government sector below* |
|                                | Culinary – Baker                               |                                  | • American Culinary Federation (ACF) accreditation for culinary education  
• ProStart National Certificate of Achievement (COA)  
• ServSafe Food Safety Manager Certification  
• ServSafe Allergen Training Certification | Possible curriculum: National Restaurant Association |
|                                | Culinary – Prep Cook                           | Yes (Hospitality and Tourism)    |                                                                                  |                                  |
|                                | Culinary – Line Cook                           |                                  |                                                                                  |                                  |
|                                | Restaurant Operations                         | Yes (Hospitality and Tourism)    | • ProStart National Certificate of Achievement (COA)  
• ServSafe Food Safety Manager Certification  
• ServSafe Allergen Training Certification  
• ServSafe Alcohol Training & Certification |
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<td>Hotel Operations</td>
<td>Yes (Hospitality and Tourism)</td>
<td>• Certified Hospitality &amp; Tourism Management Professional Certification (CHTMP)</td>
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<td></td>
<td>Hotel Operations – Laundry Attendant</td>
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<td>• Certified Guest Service Professional (CGSP)</td>
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<td>Hotel Operations – Room Attendant</td>
<td>Yes (Hospitality and Tourism)</td>
<td>• Certified Hospitality &amp; Tourism Management Professional Certification (CHTMP)</td>
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<td></td>
<td></td>
<td>• Certified Guest Service Professional (CGSP)</td>
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<td>• Certified Guestroom Attendant (CGA)</td>
<td></td>
</tr>
<tr>
<td>Hospitality &amp; Tourism (cont.)</td>
<td>Hotel Operations – Guest Room Service Agent</td>
<td>Yes (Hospitality and Tourism)</td>
<td>• Certified Hospitality &amp; Tourism Management Professional Certification (CHTMP)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tourism – Amusement and Recreation Attendant</td>
<td></td>
<td>• Certified Guest Service Professional (CGSP)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tourism – Tour Guide</td>
<td></td>
<td>• Certified Front Desk Representative (CFDR)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tourism – Travel Agent</td>
<td></td>
<td>• Note: program completion should put students on track for a bachelor’s degree and/or associate’s degree, and help students toward the related work experience that employers prefer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entry-level Network (Cisco-Certified Network Associate – CCNA)</td>
<td>Yes (Information Technology)</td>
<td>Cisco-Certified Network Associate (CCNA)</td>
<td></td>
</tr>
</tbody>
</table>

RIDE Industry Specific CTE Program Industry Standards Summary Sheet
As Adopted by the CTE Board of Trustees
<table>
<thead>
<tr>
<th>Career Cluster</th>
<th>Entry Level Career Field (CTE Board Standard)</th>
<th>Aligned to GWB Priority Sectors? (Information Technology)</th>
<th>Expected Program Outcomes (Industry-Recognized Credentials or Post-Secondary Credits)</th>
<th>Additional Requirements and Notes</th>
</tr>
</thead>
</table>
| Information Technology Special (cont.) | Entry-level Software/Web Developer | Yes (Information Technology) | At least one of following:  
- NOCTI: IT Workforce Ready Credential (Computer Programming OR Web Development)  
- Precision Exam (Computer Programming OR Web Development)  
- Dual/Concurrent Enrollment (URI Code.org or P-TECH)  
- College Board AP Computer Science Principles and AP Computer Science A (3 or better on exams)  
- Associate Android Developer Exam  
- Project Lead The Way (Three consecutive course certificates with proficient end of course)  
- Unity Certified Developer  
- Oracle Java Foundations Certified Junior Associate  
- Oracle Database 12c Administrator Certified Associate  
- Microsoft Technology Associate  
- Node.js Certified Developer | Minimum academic requirements:  
- 4 courses in English  
- 4 courses in Math  
- 3 courses in Science  
- 3 Courses in Social Studies  

Information Technology Pathway Courses  
This standard acknowledges and adopts the Work Based Learning Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum).  

- 12-18 months of work experience preferred  
- Some postsecondary training in Computer Studies and General Information Processing preferred |

| Information Technology Specialist | Yes (Information Technology) | High school transcript credit for pathway-related training |  |


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</table>
| Information Technology (cont.) | Information Technology Specialist (cont.) | Yes (Information Technology) | At least one of the following:  
- NOCTI (Computer Networking Fundamentals)  
- Precision Exams (IT Support & Network)  
- CompTIA IT Fundamentals & ComTIA A+  
- CISCO CCENT  
- College Board AP* Computer Science Principles  
- AP* Computer Science A  
- Project Lead The Way  
- Dual/Concurrent Enrollment (CCRI Cisco/P-TECH)  
- *3 or better on exams | Minimum academic requirements:  
- 4 courses in English  
- 4 courses in Math  
- 3 courses in Science  
- 3 Courses in Social Studies  

Information Technology Pathway Courses  

This standard acknowledges and adopts the Work Based Learning Standards as approved by the RI Governor’s Workforce Board and will use Professional/Workplace Skills (SkillsUSA Connect Curriculum). |
| Law, Public Safety, and Government | Law Enforcement | No |  
- National Incident Management System Training (NIMS)  
- NOCTI – Criminal Justice  
- Roger Williams University Certificate of Completion | Credentials required:  
- First Aid/CPR  
- OSHA 10  
- Note: to continue on to a career in law enforcement, employers require US citizenship, a minimum age of 21, and rigorous physical and personal qualifications |
| Emergency Medical Technician | Yes | RI EMT license |  
- EMT training program  
- Bureau of Criminal Investigation report  
- First Aid  
- CPR/AED  
- Certificate of Completion  
- Note: This career field also appears under Health sector above |
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</table>
| Legal Services, Paralegal | No                                      | NOCTI Legal Services            | • Potential course sequence: Roger Williams University 3-4 course sequence, including Introduction to Criminal Justice, Law & Society, and Forensics Science. Optional Courses: Sociology and/or Psychology.  
• Associate’s degree or certificate in paralegal studies preferred  
• Strong computer and database management skills preferred |                                                                                                                                                                                                 |
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| Manufacturing (cont.) | Entry-level and above for any logistical function | Yes (Manufacturing) | • Foundational-level MSSC Certified Logistics Associate (CLA) Certificate  
• Mid-level technical MSSC Certified Logistics Technician (CLT)  
• MSSC CPT  
• ACT NCRC | Students must earn the first four MSSC certificates to receive the full CPT certification, but can earn a Certificate if they pass one or more assessments.  
To earn ACT NCRC, student must achieve at least a silver level score.  
Safety training. |
| | Entry-level and above in metalworking industry or function | Yes (Manufacturing) | • NIMS machining and metal-forming Machining Level I certification  
• MSSC CPT  
• ACT NCRC | To earn ACT NCRC, student must achieve at least a silver level score.  
Safety training. |
| Marine Technology | Boat Building | Yes (Marine Trades) | Rhode Island Marine Trades Association (RIMTA) Certificate of Completion | Primary curriculum is American Boat and Yacht Council (ABYC) with integrated units from the NCCER Construction Technology. The 3-4 courses are: Marine Technology 1; Marine Technology 2; Marine Technology 3; and Marine Technology 4 (where applicable).  
OSHA 10 (Maritime, Construction, and/or General) |
| | Composites | Yes (Marine Trades) | • American Composite Manufacturers Association (ACMA) Certification - Certified Composites Technician (CCT)  
• RIMTA Certificate of Completion | Primary curriculum is American Composite Manufacturers Association (ACMA). The three/four courses are: Marine Technology 1; Marine Technology 2; Marine Technology 3; and Marine Technology 4 (where applicable)  
Instructor must hold the American Composite Manufacturers Association (ACMA) Certification.  
OSHA10 (Maritime, Construction, and/or General) |
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<td><strong>Marine Technology (cont.)</strong></td>
<td>Systems</td>
<td>Yes (Marine Trades)</td>
<td>SkillsUSA Marine Service Technology Proficiency Assessment</td>
<td>- Primary curriculum is American Boat and Yacht Council (ABYC). The three/four courses are: Marine Technology 1; Marine Technology 2; Marine Technology 3; and Marine Technology 4 (where applicable). - OSHA 10</td>
</tr>
<tr>
<td><strong>STEM/STEAM</strong></td>
<td>Technician</td>
<td>Yes (Defense)</td>
<td>At least one of following: - National Occupational Competency Testing Institute (NOCTI) – Pre-Engineering - International Society of Certified Electronics Technicians (ISCET) – AC, DC, Semiconductor, &amp; Digital - Electronic Technician Association – AC, DC, Analog, Digital, &amp; Comprehensive - Project Lead the Way – Three consecutive Course Certificates (including Intro to Engineering Design, and Principles of Engineering)</td>
<td>- 3 consecutive years of engineering technology coursework - 4 years of math (must include pre-calculus) - Chemistry and Physics - Safety training (OSHA 10 or equivalent)</td>
</tr>
<tr>
<td><strong>Transportation, Distribution &amp; Logistics</strong></td>
<td>Automotive Body Repair Technician</td>
<td>No</td>
<td>- I-Car Level II - I-Car Level I</td>
<td>- Program must be NATEF certified - Expanded work-based learning component - Note: CDX is a recommended curriculum although the actual choice of curriculum is a district decision with business/NATEF input.</td>
</tr>
<tr>
<td></td>
<td>Automotive Service Technician</td>
<td>No</td>
<td>ASE Auto Maintenance and Light Repair Certification Test (G-1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lube Technician</td>
<td>No</td>
<td>Program completion (no credential)</td>
<td></td>
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<tr>
<td></td>
<td>Porter (Sales/Service)</td>
<td>No</td>
<td>Program completion (no credential)</td>
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</tr>
<tr>
<td>Shipping and Receiving Clerk</td>
<td>No</td>
<td>Program completion (no credential)</td>
<td></td>
<td></td>
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</table>