

The Panel of Experts can conclude any of the following:

1. The candidate meets the equivalency option and is qualified to teach the career-technical courses under consideration;
2. The candidate meets the equivalency option but with deficiencies. In this case, the panel recommends that the candidate follow a licensure plan to address the deficiencies.
3. The candidate has not met the equivalency option and is no longer considered for employment.

Candidates undergoing this process must meet all other requirements for hiring, including required education and program area licensure requirements or industry standards where applicable (see Section 10, Table 2).

The hiring school district organizes the panel of experts.

2.3.1 Panel Recruitment and Composition

The superintendent designates a representative from the hiring school district to recruit participants to serve on the panel review.

Panel Review Members

All panel review members must have knowledge and experience in the career field for which the candidate is being assessed. Panel review members cannot currently be employed by the hiring school district.

Required panel review members:

- At least three individuals from business and industry who are active in the career field for which the candidate is being assessed;
- These representatives must constitute the majority of panel review members; and
- Districts are strongly encouraged to include individuals who represent the district's nontraditional and minority populations.

Optional, but recommended, panel review members:

- A person from a postsecondary institution representing the career or career field for which the candidate is being assessed; and
- A teacher-preparation educator from an Ohio college or university approved to deliver teacher education for the applicable licensure area and with specific content expertise in the career field for which the candidate is being assessed.

Responsibilities of panel review members:

- Panel review members are charged with determining if the candidate has sufficient work experience and/or content knowledge to teach the program or course.

Responsibilities of the hiring school district:

- One educator from the hiring school district should serve on the review panel as a facilitator. This person can be assigned panel recruitment duties.

Additional members may serve on the panel to provide background information on program goals, school setting, university curriculum or other contextual information that can assist panel review members in their deliberations. These members can include teachers, staff or other individuals with a clearly identified purpose for being on the panel. The panel members and facilitator are not to determine whether the candidate has met the equivalency option.

2.3.2 Panel of Experts Procedures

1. A representative from the hiring school district schedules a face-to-face meeting of the panel of experts. School districts may form a multi-district panel, but a representative from the hiring school district should serve as the panel facilitator. The panel may meet more than once, if necessary.

2. At the first meeting, the panel members learn about the following:
 - Interview techniques that ensure consistency;
 - Responsibilities of the panel and its members. The panel is instructed that the purpose of the review is to determine whether the candidate has the work experience and subject knowledge to effectively teach the subject/content area. The panel's job is not to make a hiring recommendation;
 - The content to be taught by the candidate, if hired. The panel members must receive all relevant materials, including a copy of the technical content standards for the courses to be taught and the course of study;
 - Information from the candidate's CTE-36 and supporting materials that document work experience, college content courses, industry certifications and other qualifications. Panel members are not to view transcripts that include grades, unless the candidate has granted permission.
3. The panel reviews the material, comparing the candidate's experiences and the content of the program to be taught.
4. The review panel may use a variety of interview and assessment methods, such as hands-on demonstrations, career-technical education technical assessments, National Occupational Competency Testing Institute and other appropriate tools.
5. After the interview process, the panel excuses the candidate for panel deliberation.
6. The panel review members determine whether the candidate has sufficient work experience and subject knowledge to teach the courses. Specifically, the review panel determines one of the following:
 - The equivalency option in the work experience requirement HAS been met. The candidate has sufficient work experience and subject knowledge to teach the subject;
 - The equivalency option in the work experience requirement of this standard HAS NOT been met;
 - The equivalency option in the work experience requirement of this standard has been met but with deficiencies. The panel then recommends that the candidate follow a licensure plan to address these deficiencies. For example, if a candidate has limited experience working in the field, the panel could recommend that the candidate participate in a job shadowing or internship experience to gain a sense of how technical skills are used in an actual workplace setting.
7. Panel review members must sign the *Panel of Experts Review Form—Part 3 AND Part 4*.
8. If the panel determines that the equivalency option HAS been met, the panel indicates so on the review form, signs it and forwards it to the superintendent, who then may sign the CTE-37.
9. If the panel determines that the equivalency option HAS NOT been met, the panel indicates so on the review form, signs it and forwards it to the superintendent, who does not sign the CTE-37. The candidate will no longer be considered for the teaching position.
10. If the panel determines that the candidate has met the equivalency option, but with deficiencies, the panel members list the deficient knowledge and skills on the review form and select three panel business representatives to help the superintendent or designee prepare a licensure plan. The panel members then sign the review form and forward it to the superintendent, who consults with the business representatives in preparing the licensure plan (see Section 2.2.4). After the licensure plan is prepared and signed by the superintendent, business representatives and candidate, the superintendent signs the CTE-37.

3.0 Paths Toward Licensure

3.1 Alternative Resident Educator for Career-Technical Workforce Development

A district may hire an individual to teach in career-technical education if he or she:

- holds a minimum of a high school diploma;
- shows evidence of five years of full-time work experience or equivalent in the career field; and
- completes an approved preservice career-technical education program (see Table 2).

Individuals applying for a 4-year alternative resident educator (Alt-RE) license follow the CTE-36 and CTE -37 process as explained in Section 3.0 below.

Upon completing the 24-semester hour approved teacher preparation program, the required performance-based assessment, and four years of teaching, a five-year professional license is issued for specific pathways in the following career fields even though the baccalaureate degree is not held:

- (i) Agricultural and Environmental Systems;
- (ii) Arts and Communication;
- (iii) Business Administration;
- (iv) Construction Technologies;
- (v) Education and Training;
- (vi) Engineering and Science Technologies;
- (vii) Finance;
- (viii) Government and Public Administration;
- (ix) Health Science;
- (x) Hospitality and Tourism;
- (xi) Human Services;
- (xii) Information Technology;
- (xiii) Law and Public Safety;
- (xiv) Manufacturing Technologies;
- (xv) Marketing; and
- (xvi) Transportation Systems

2.2 Supplemental License for Career-Technical Workforce Development Programs

To apply for a supplemental license, an individual must be hired by a school district in the subject area designated on the supplemental license.

An individual can receive a supplemental license for Career-Technical Workforce Development if he or she:

- holds a valid Ohio resident educator, professional, permanent or five-year career-technical teaching license;
- shows evidence of five years or equivalent of full-time work experience in the career field; and
- completes an approved preservice career-technical education program at an approved university (Table 2).

Individuals applying for a supplemental license described above follow the CTE-36 and CTE-37 process as explained in Section 2.0 above.

After the individual completes the program requirements, the Ohio Department of Education issues a professional license for specific pathways in these career fields:

- (i) Agricultural and Environmental Systems;
- (ii) Arts and Communication;
- (iii) Business Administration;
- (iv) Construction Technologies;
- (v) Education and Training;
- (vi) Engineering and Science Technologies;
- (vii) Finance;
- (viii) Government and Public Administration;
- (ix) Health Science;
- (x) Hospitality and Tourism;
- (xi) Human Services;
- (xii) Information Technology;
- (xiii) Law and Public Safety;
- (xiv) Manufacturing Technologies;
- (xv) Marketing; and
- (xvi) Transportation Systems.

3.2.1 Renewing the Initial Supplemental License for Career-Technical Workforce Development

A supplemental license may be renewed two times. To renew an initial supplemental license, at least six of the 12 required semester hours of teacher preparation coursework must be completed. Visit the [Adolescence to Young Adult, Multi-Age or Career Technical Supplemental Teaching License](#) website for renewal information.

The individual must maintain the valid Ohio resident educator, professional, permanent or five-year career-technical teaching license.

To qualify for a renewal, the teacher must have a completed CTE-37 signed by the university and the school district's superintendent or designee to indicate progress in the approved university career-technical education program.

The university verifies that the teacher is making satisfactory progress in the university career-technical program, checks the box for "Renewal of Supplemental License" under "Teaching Certificate/License Verification" and signs the CTE-37. The teacher uploads the new CTE-37 with the online supplemental renewal application.

3.3 Supplemental License for Career-Technical Education

To apply for a supplemental license, an individual must be hired by a school district in the subject area listed on the CTE-37.

An individual may obtain a supplemental license for career-technical education if he or she:

- holds a valid Ohio resident educator, professional, permanent or five-year career-technical teaching license;
- holds a baccalaureate degree; and
- passes the content-knowledge test for one of the following areas:
 - (i) Agriscience;
 - (ii) Family Consumer Science;
 - (iii) Integrated Business;
 - (iv) Marketing; and
 - (v) Technology Education.

The individual requests a transcript review from an approved university or from the Ohio Department of Education.

The CTE-36/37 process is not used to apply for the supplemental license in career-technical education.

The supplemental license is renewable twice. Visit the [Adolescence to Young Adult, Multi-Age or Career Technical Supplemental Teaching License](#) website for renewal information.

3.4 Endorsements

An individual is eligible for an endorsement if he or she holds a baccalaureate degree; is of good moral character; and successfully completes an approved teacher preparation program. An endorsement is valid only for teaching the subject or learners named.

The following endorsements can be added to any five-year professional teaching license, unless limited by age or grade:

- Career-Based Intervention – (see requirements listed in Section 3.4.1);
- Transition to work (limited to intervention specialist license or career-technical license); and
- Career-technical worksite teacher/coordinator (limited to professional career-technical license).

Individuals must follow the CTE-36 and CTE-37 process for Career-Based Intervention endorsements. However, the CTE 36/37 process is not followed for the Transition to work or Career-technical worksite teacher coordinator endorsements.

3.4.1 Career-Based Intervention

The Career-Based Intervention endorsement requires:

- a baccalaureate degree;
- two years of successful teaching under a professional, permanent, resident educator or five-year career-technical teaching license; and
- one year of full-time work experience outside education.

This endorsement is valid for teaching learners ages 12 through 21 or grades 7 through 12.

Individuals who hold alternative resident educator licenses are NOT permitted to apply for the supplemental license for Career-Based Intervention.

When a school district hires, or assigns, an eligible teacher to Career-Based Intervention who has not yet completed a university career-based intervention endorsement program, the individual may apply for a supplemental teaching license for the endorsement. The CTE-36/37 process is followed.

3.5 Career-Technical Substitute Teaching Licenses

Career-technical education substitute teaching licenses are long-term. A substitute teacher's license is valid for the area listed on the license and carries the statement, "*May be used only to substitute teach in the subject(s) listed on this license.*" These individuals may not serve as short-term substitutes in other areas. For example, an individual licensed to substitute for Criminal Justice courses may not substitute for an academic teacher or another career-technical program teacher. Visit the Ohio Department of Education's [Substitute License](#) webpage for more information.

3.5.1 Renewal of a Career-Technical Substitute Teaching License

Substitute licenses may be renewed without additional requirements with the recommendation of an Ohio school district superintendent.

3.6 Middle School Validation

Teachers who hold a valid, non-career-technical education Ohio resident educator, professional or permanent license that includes middle grades *must* complete the Ohio Department of Education's career-technical education middle school validation process.

Teachers who hold a valid five-year career-technical education license or a valid four-year alternative resident educator license for career-technical education and teach only VM middle school courses *do not* complete the Ohio Department of Education's career-technical education middle school validation process.

The middle school validation does not appear on the teacher's credential. The school district will need to submit an override form.

Note: Teachers with specific vendor certification, such as Project Lead the Way, Engineering by Design or Curriculum for Agricultural Science Education (CASE), are not required to complete the career-technical education middle school validation process unless they teach other career-technical education courses outside the vendor certification area. Teachers who hold the career-based intervention endorsement can teach VM middle school courses without completing the Ohio Department of Education's career-technical education middle school validation process.

The Middle School Validation Course is available in SAFE under the Learning Management System.

3.7 Senior Only 12-Hour Teaching Permit

The 12-hour teaching permit is a one-year renewable permit. An individual who is deemed to be of good moral character and either holds a baccalaureate degree in the subject area to be taught or has significant work experience in that subject area can apply for the permit.

4.0 Adding Teaching Fields (Licensure Areas) to a Career-Technical License

A teacher can add one or more teaching fields (licensure areas) to a career-technical license by following the CTE-36 process found in Section 2.0 of this guide.

Through this process, the superintendent verifies the work experience or equivalent, prepares and signs the CTE-37 and emails it to the university (see Section 11). The candidate also signs the CTE-37.

The university reviews the CTE-37 and determines eligibility for the university program. The individual may already have completed the applicable Alternative Resident Educator program for the initial license and may not need to complete further university coursework. The university makes this decision.

5.0 Acquiring the Initial Five-Year Professional License

5.1 Alternative Resident Educator

Teachers who hold the alternative resident educator career-technical license must meet the following requirements to be eligible for the five-year professional license:

- Successful completion of the university career-technical preservice teacher education program;
- Successful completion of the licensure plan and portfolio, if applicable;
- Successful completion of the performance-based assessment;
- Successful completion of four years of teaching under the Alternative Resident Educator license;
- Recommendation by the dean or head of teacher education at the university in which the career-technical program was completed.

Upon eligibility, follow this procedure:

1. Teacher completes the CTE-37.
 - a. Checks “Initial Five-Year Professional Career-Technical License.”
 - b. Signs and dates the document.
 - c. Emails the form to the school superintendent.
2. The superintendent or designee signs the CTE-37 if:
 - The teacher has successfully completed the activities in the licensure plan, if applicable, as shown by the teacher’s submitted portfolio;
3. The candidate forwards the signed CTE-37 to the university in which the candidate is enrolled.
4. The university verifies that the teacher successfully completed the career-technical program by signing and returning the completed CTE-37 to the applicant.
5. The candidate applies for the career-technical license and uploads the CTE-37 in CORE.

5.2 Supplemental License

After completing the career-technical teacher preparation program, the candidate applies for the license by submitting an “Adding a Teaching Field” application.

Follow this procedure:

1. Teacher completes the CTE-37.
 - a. Checks “Add Teaching Field to Existing License.”
 - b. Signs and dates the document.
 - c. Emails the form to the school superintendent.
2. The school district superintendent or designee signs the CTE-37 and returns it to the candidate.
3. The candidate forwards the CTE-37, signed by the superintendent, to the university in which the candidate is enrolled.

4. The university verifies that the teacher has completed the teacher preparation program by signing and returning the completed CTE-37 to the candidate.
5. The candidate applies for the career-technical license and uploads the CTE-37 in CORE.

5.3 Career-Based Intervention

After completing the career-technical teacher preparation program, the candidate applies for the license by submitting an “Adding a Teaching Field” application.

Follow this procedure:

1. Teacher completes the CTE-37.
 - a. Checks “Add Endorsement to Existing License.”
 - b. Signs and dates the document.
 - c. Emails the form to the school superintendent.
2. The school district superintendent or designee signs the CTE-37 and returns it to the candidate.
3. The candidate forwards the CTE-37, bearing the superintendent’s signature, to the university in which the candidate is enrolled.
4. The university verifies that the teacher has completed the teacher preparation program by signing and returning the completed CTE-37 to the candidate.
5. The candidate applies for the career-technical license and uploads the CTE-37 in CORE.

6.0 Adult Workforce Education

Visit the Ohio Department of Higher Education’s webpage at ohiohighered.org and search *Adult Teacher Certification*.

7.0 Out-of-State Applicants

Information for out-of-state applicants is available on the Ohio Department of Education’s website (education.ohio.gov). Search *Out-of-State Licensure* or click [Out of State Licensure](#).

8.0 Alternative & Supplemental License Teaching Field Codes – Career-Technical Workforce Development

Agriculture

010200 Agribusiness
012100 Agricultural Biotechnology
010300 Agricultural Industrial Equipment
010101 Animal Production
010400 Food Science
010500 Horticulture
010600 Natural Resources

Arts and Communication

340125 Media Arts
340130 Performing Arts
340100 Visual Design and Imaging

Business and Administrative Services

140300 Administrative Office Technology
140800 Business Administration & Management
140350 Legal Office Management
140370 Medical Office Management

Construction Technology

170100 Air Conditioning/Heating
171011 Building & Property Maintenance
171017 Building Technology
171001 Carpentry
171100 Custodial Services
179960 Diversified Cooperative Training
171002 Electrical Trades
171003 Heavy Equipment (Construction)
171005 Interior Design Applications
171004 Masonry
173601 Millwork & Cabinet Making
171007 Plumbing & Pipefitting

Education and Training

090201 Early Childhood Education & Care

Engineering and Science Technology

172000 Chemical Laboratory Assisting
171650 Energy Science

171807 Engineering Technologies – Design
171808 Engineering Tech- Processes
171809 Engineering Tech – Products/Services
172004 Industrial Laboratory Assisting
171402 Power Transmission
171504 Telecommunications

Finance

140100 Accounting

Government and Public Administration

360224 Government & Public Administration

Health Science

074850 Biotechnology
070906 Community Health Aide
070101 Dental Assisting
070103 Dental Laboratory Technology
070998 Diversified Health Occupations (DHO)
070410 Fitness Aide/Athletic Trainer Assisting
074840 Health Support Systems
070913 Health Unit Coordination
070307 Home Health Aide
070904 Medical Assisting
070203 Medical Lab Assisting
070303 Nurse Assisting
070603 Optometric Occupations
070994 Patient Care Technician
070912 Pharmacy Assisting
070204 Phlebotomy
070302 Practical (Vocational) Nurse
070305 Surgical Technology
074820 Tech Prep Diagnostic Cluster
074890 Tech Prep Information Cluster
074830 Tech Prep Therapeutic Cluster

Hospitality and Tourism

090203 Culinary Arts & Food Service Management
090205 Hotels and Resorts
041118 Travel & Tourism Marketing

Human Services

172601 Barbering
172602 Cosmetology
172610 Family & Community Services

Information and Technology

140200 Business & Information Services

Law and Public Safety

172810 Career Paths for the Law Profession
172802 Criminal Justice
172811 Emergency Medical Technician – Secondary
172801 Firefighter Training
172809 Fundamentals of Public Safety
172808 Private Security

Manufacturing Technologies

170200 Appliance Repair
170375 Automation & Robotics
171300 Drafting Occupations
171503 Electronics
171012 Industrial Maintenance & Repair
172303 Manufacturing Occupations
170380 Manufacturing Operations
172302 Precision Machining
172306 Welding and Cutting

Marketing Education

041900 Acquisition & Logistics
044105 Entrepreneurship
047000 Marketing Communications
040810 Marketing Management

Transportation Systems

170401 Aircraft Maintenance
170301 Auto Collision Repair
170303 Auto Specialization
170302 Auto Technology
170400 Aviation Occupations
170403 Ground Operations
171200 Medium/Heavy Truck Technician
173100 Power Equipment Technology

9.0 Work Experience Requirements, Table 1

Two sets of requirements must be met for an applicant to meet the work experience requirement in the standard. The first set of requirements appears in Table 1 below. The second set appears in Section 10, Table 2. (Refer to Section 2.1 for the procedures in reviewing a CTE-36.)

Table 1
Work experience requirements

Educational Background	Work Experience Requirement
Successful completion a career-technical specific two-year program at the secondary level	4 years of related work experience
Baccalaureate or master's degree in the content (i.e., subject matter, career field or career-technical category)	2 years of related work experience
Baccalaureate or master's degree in education that led to a teaching certificate or license but not in the teaching area	5 years of related work experience
Baccalaureate degree outside the career field/career-technical subject area	5 years of related work experience
Associate degree in the content (i.e., subject matter, career field or career-technical category) or 60 semester credit hours in the content (i.e., subject matter, career field or career-technical category)	3 years of related work experience
High school diploma AND an adult education certificate or the equivalent in the content/subject matter/career field/career-technical category	4 years of related work experience
High school diploma	5 years of related work experience

10.0 Work Experience Requirements, Table 2

Two sets of requirements must be met for an applicant to meet the work experience requirement for Alternative Resident Educator for Career-Technical Workforce Development programs. The first set of requirements appeared in Section 9, Table 1. The second set appears in this section, Table 2. (Refer to Section 2.1 for the procedures in reviewing a CTE-36.)

Table 2

Chart of licensure areas with related work experience, industry credentials, and other related information

NOTE: Work experience demonstrated on the CTE-36 should be related to the licensure area/teaching field.

Agricultural and Environmental Systems

Licensure Area/Teaching Field	Requirements	Recommendations / Additional Information
Animal Production CW 010101		<ul style="list-style-type: none"> American Association of Laboratory Animal Science National Dog Groomers' Association Pet Industry Joint Advisory Council and/or Veterinary Technician certifications
Agribusiness CW 010200		
Agricultural Industrial Equipment CW 010300		
Food Science CW 010400		<ul style="list-style-type: none"> International Hazard Analysis Critical Control Points certification Pathway is combined with Biotechnology to align with the (A3) Agriculture, Food and Natural Resources Bioscience Pathway.
Horticulture CW 010500		<ul style="list-style-type: none"> Ohio Certified Nursery Technician
Natural Resources CW 010600		<ul style="list-style-type: none"> OSHA-certified Hazardous Materials Training including, but not limited to, HAZWOPER (Hazardous Waste Operations) and confined space training
Agricultural Biotechnology CW 012100		<ul style="list-style-type: none"> Pathway is combined with Biotechnology to align with the (A3) Agriculture, Food, and Natural Resources Bioscience Pathway.

Arts and Communication

Licensure Area/Teaching Field	Requirements	Recommendations / Additional Information
Visual Design and Imaging CW 340100		
Media Arts CW 340125		
Performing Arts CW 340130		

Business and Administrative Services

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Administrative Office Technology CW 140300		Credentials that could add value: <ul style="list-style-type: none"> • Certified Administrative Professional
Legal Office Management CW 140350		Credentials that could add value: <ul style="list-style-type: none"> • American Alliance Certified Paralegal • Certified Legal Assistant/Certified Paralegal • Certified Legal Secretary Specialist • Professional Paralegal
Medical Office Management CW 140370		Credentials that could add value: <ul style="list-style-type: none"> • Certified Clinical Data Manager • Certified Coding Associate • Certified Health Unit Coordinator • Certified Medical Coder • Certified Medical Insurance Specialist • Certified Medical Manager • Certified Medical Office Manager • Certified Medical Transcriptionist • Certified Professional Coder; • Registered Health Information Administrator • Registered Medical Transcriptionist
Business Administration and Management CW 140800		Credentials that could add value: <ul style="list-style-type: none"> • Certified Associate in Project Management • Certified Business Analysis Professional • Certified in Production and Inventory Management • Certified Manager • Certified Professional in Supply Management • Certified Purchasing Manager • International Project Management Association Certification • Manager of Quality/Organizational Excellence • Professional in Human Resources • Project Management Professional

Construction Technologies

Licensure Area/Teaching Field	Requirements	Recommendations / Additional Information
Heavy Equipment CW 171003	<ul style="list-style-type: none"> • Must meet industry qualifications to operate and train on equipment. 	
Air Conditioning/ Heating CW 170100		

Carpentry CW 171001		<ul style="list-style-type: none"> • National Center for Construction Education and Research (NCCER) • Apprenticeship • Do not approve a cabinetmaker. Use caution with a person doing only remodeling.
Electrical Trades CW 171002	<ul style="list-style-type: none"> • Meets local requirements to do electrical work. • Must be knowledgeable of current National Electrical Codes 	<ul style="list-style-type: none"> • National Center for Construction Education and Research (NCCER) • Apprenticeship
Masonry CW 171004		<ul style="list-style-type: none"> • National Center for Construction Education and Research (NCCER) • Apprenticeship
Interior Design Applications CW 171005		
Plumbing and Pipefitting CW 171007	<ul style="list-style-type: none"> • Meets local requirements to do plumbing. 	<ul style="list-style-type: none"> • National Center for Construction Education and Research (NCCER) • Apprenticeship
Building and Property Maintenance CW 171011	<ul style="list-style-type: none"> • Meets local requirements for plumbing/electrical if part of program. • Limit program to areas of training and/or work experience. 	<ul style="list-style-type: none"> • Apprenticeship
Building Technology CW 171017	<ul style="list-style-type: none"> • Meets local requirements for plumbing/electrical if part of program. • Limit program to areas of training and/or work experience. 	<ul style="list-style-type: none"> • Apprenticeship
Custodial Services CW 171100		
Millwork and Cabinet Making CW 173601		

Education and Training

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Early Childhood Education CW 090201	<ul style="list-style-type: none"> • Employed as a teacher or director in a preschool or day care facility. • Associate or baccalaureate degree in Early Childhood. 	<ul style="list-style-type: none"> • Child Development Associate • First Aid/CPR certification • Communicable disease certification • Child Abuse Recognition certification
Teaching Professions	<ul style="list-style-type: none"> • Bachelor's Degree in any academic subject area • Master's Degree • Five years teaching experience • Hold a teaching license or certificate for high school grades, such as 4-12 or 7-12 	

Engineering and Science Technologies

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Power Transmission CW 171402		<ul style="list-style-type: none"> • Prefer experience in power distribution as lineman.
Telecommunications CW 171504		
Energy Science CW 171650		<ul style="list-style-type: none"> • Associate or bachelor's degree in energy science or a related field is preferred.
Engineering Technology—Design CW 171807		<ul style="list-style-type: none"> • Associate or bachelor's degree in engineering technology or engineering is preferred.
Engineering Technology—Process CW 171808		<ul style="list-style-type: none"> • Associate or bachelor's degree in engineering technology or engineering is preferred.
Engineering Technology— Products/ Services CW 171809		<ul style="list-style-type: none"> • Associate or bachelor's degree in engineering technology or engineering is preferred.

Family and Consumer Sciences

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Early Childhood Education CW 090201	<ul style="list-style-type: none"> • Employed as a teacher or director in a preschool or day care facility • Associate or baccalaureate degree in Early Childhood 	<ul style="list-style-type: none"> • Child Development Associate • First Aid/CPR certification • Communicable disease certification • Child Abuse Recognition certification
Culinary Arts CW 330005		<ul style="list-style-type: none"> • Certified or certifiable for American Culinary Federation or ProStart
Hotels and Resorts CW 090205		<ul style="list-style-type: none"> • Certified or certifiable for American Hotel and Lodging Association

Finance

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Accounting CW 140100		Credentials that could add value: <ul style="list-style-type: none"> • Chartered Financial Analyst • Certified Public Accountant • Financial Risk Manager Certification • Certified Financial Planner • Certified in Financial Management • Chartered Life Underwriter • Real Estate Agent/Broker • Insurance Agent/Broker • Securities Broker

Government and Public Administration

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Government and Public Administration CW 360224	<ul style="list-style-type: none"> Baccalaureate degree in area related to career field technical content standards. 	<ul style="list-style-type: none"> Civil service rating Foreign language fluency Master's degree in area related to career field technical content standards

Information Technology

Licensure Area/Teaching Field	Requirements	Recommendations / Additional Information
Business Information Systems CW 140200		A wide range of third party and vendor-based IT certifications can be a valuable source of information.

Health Science

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Dental Assisting CW 070101	<ul style="list-style-type: none"> Faculty providing didactic instruction must have earned at least a baccalaureate degree. Laboratory, preclinical and clinical faculty must hold a current Certified Dental Assistant by the Dental Assisting National Board. 	Current Dental Assistant Radiographer's Certificate by the Dental Assisting National Board.
Dental Laboratory Technology CW 070103	<ul style="list-style-type: none"> Current Certified Dental Technician issued by National Board for Certification in Dental Laboratory Technology. 	
Medical Laboratory Assisting CW 070203	<ul style="list-style-type: none"> Current Registration by the American Society of Clinical Pathologists as a medical technologist or medical lab tech OR Current Registration by National Credentialing Agency for Laboratory Personnel 	
Phlebotomy CW 070204	<ul style="list-style-type: none"> Current Certified Phlebotomist by the National Credentialing Agency for Laboratory Personnel OR Current American Society of Phlebotomy Technician 	
Practical Nurse CW 070302	<ul style="list-style-type: none"> A baccalaureate degree in nursing. Completion of an approved registered nursing education program in a jurisdiction as defined in paragraph (R) of rule 4723-5-01 of the Ohio Administrative Code. 	

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
	<ul style="list-style-type: none"> • Current, valid licensure as a registered nurse in Ohio • Experience for at least two years in the practice of nursing as a registered nurse • Any additional requirements specified in 4723-5-11 of the Ohio Administrative Code. 	
Nurse Assisting CW 070303	<ul style="list-style-type: none"> • Current, valid licensure as a registered nurse or licensed practical nurse in Ohio. • All other requirements specified in 3701-18-09 (E) of the Ohio Administrative Code. • Registered nurses, shall have a minimum of two years of experience in caring for the elderly or chronically ill of any age. • Licensed practical nurses, shall have a minimum of two years of experience in caring for the elderly or chronically ill of any age obtained through employment in a long-term care facility. • Refer to OAC 3701-18-09(E)(2) for experience specifics. 	
Surgical Technology CW 070305	<ul style="list-style-type: none"> • Current Certified Surgical Technician by the National Board of Surgical Technology and Surgical Assisting OR • Current Certified Operating Room Nurse by Association of Operative Registered Nurses 	Associate or technical degree with minimum 30 semester hours in technical area related to program content.
Home Health Assisting CW 070307	<ul style="list-style-type: none"> • Current, valid licensure as a registered nurse in Ohio • Must meet the qualifications established by the National Home Caring Council (NHAC), a division of the Foundation for Hospice and Homecare. 	
Fitness Aide CW 070410	<ul style="list-style-type: none"> • Current Certified Strength and Fitness Specialist OR • Current Licensed Physical Therapist OR • Current Physical Therapy Assistant OR • Licensed Athletic Trainer 	Baccalaureate degree with a major in: <ul style="list-style-type: none"> • Sports medicine; • Exercise physiology; • Physical education; • Health education; or • Athletic training. Equivalent area of study must have 30 semester hours in a technical area related to program content.

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Optometric Occupations CW 070603	Current certification or license in ONE of: <ul style="list-style-type: none"> • Current Certified Ophthalmic Technician • Current Certified Optician • Current Ophthalmic Medical Technologist • Current Licensed Optometrist 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Medical Assisting CW 070904	Current certification or license in ONE of: <ul style="list-style-type: none"> • Current Certified Medical Assistant issued by American Association of Medical Assistants • Registered Medical Assistant issued by the American Medical Technologists 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Community Health Aide CW 070906	Current certification or license in ONE of: <ul style="list-style-type: none"> • Registered Nurse • Physician Assistant • Licensed social worker • Doctor • Counselor • Pharmacist • Etc. 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Pharmacy Assisting CW 070912	Current certification or license in ONE of: <ul style="list-style-type: none"> • Current Certified Pharmacy Technician by Pharmacy Technician • Licensed pharmacist 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Health Unit Coordinator CW 070913		
Patient Care Technician CW 070994	Current certification or license in ONE of: <ul style="list-style-type: none"> • Current Certified Patient Care Technician by national credentialing agency • Current Registered Nurse • Other licensed medical personnel 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Diagnostic Pathway CW 074820		
Therapeutic Pathway CW 074830		
Health Support Services CW 074840		Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
Biotechnology CW 074850	Current certification or license in ONE of: <ul style="list-style-type: none"> • Medical Lab Technician • Medical Technologist • Registered Nurse 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Health Informatics CW 074890	Current certification or license in ONE of: <ul style="list-style-type: none"> • Certified Medical Assistant • Registered Medical Assistant • Registered Nurse • Certified Health Unit Coordinator • Registered Health Information Technician 	Associate or technical degree with a minimum of 30 semester hours in a technical area related to program content.
PN Coordinator CW 079950	<ul style="list-style-type: none"> • A master's degree (see other information) • Current, valid licensure as a registered nurse in Ohio • Any additional requirements specified in 4723-5-11 of the Ohio Administrative Code. 	If the individual does not possess a Bachelor of Science in nursing degree, the master's or other academic degree, including, but not limited to a Ph.D., shall be in nursing. If the individual possesses a Bachelor of Science in nursing degree, the master's degree may be, but is not required to be, in nursing.

Hospitality and Tourism

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Culinary Arts CW 330005		<ul style="list-style-type: none"> • Certified or certifiable for American Culinary Federation or ProStart
Hotels and Resorts CW 090205		<ul style="list-style-type: none"> • Certified or certifiable for American Hotel and Lodging Association

Human Services

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Barbering CW 172601	<ul style="list-style-type: none"> • Must complete all application, fee and testing requirements per Ohio Revised Code 4709.10(C) • Current barber license issued pursuant to Ohio Revised Code 4709.10 	
Cosmetology CW 172602	<ul style="list-style-type: none"> • Current, valid advanced cosmetologist license issued in Ohio. • Must meet or complete all other requirements per Ohio Revised Code 4713.31(A-J) 	
Family and Community Services CW 172610	<ul style="list-style-type: none"> • Current valid Ohio license as licensed social worker, professional counselor by Ohio Counselor, Social Worker and Marriage & Family Therapist Board, Certified Child Life Specialist or Certified Family Life Educator is required. • Minimum associate degree in technical content area 	

Law and Public Safety

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Firefighter Training CW 172801	<ul style="list-style-type: none"> • Shall possess a current and valid firefighter certificate that is in good standing. • Valid instructor’s certificate to teach the Fire Fighter Level II as identified by the Department of Public Safety Division of EMS is required. • If teaching EMT - EMT-B Instructors Certification issued by the Ohio Department of Public Safety EMS is required. • In the preceding seven years, an applicant shall have been certified for at least five years as a firefighter. • Shall pass the fire instructor knowledge examination as set forth in rule 4765-21-05 of the Ohio Administrative Code. The fire instructor knowledge examination shall be taken within one year prior to admission into a fire instructor course. • Shall complete a fire instructor training course consisting of a minimum of 60 hours, as set forth in paragraph (A) of rule 4765-24-15 of the Ohio Administrative Code. • Shall pass the instructional methods examination, as set forth in rule 4765-21-05 of the Ohio Administrative Code. • Shall comply with the requirements for a firefighter certificate as set forth in paragraph (F) of rule 4765-20-02 of the Ohio Administrative Code. • Shall submit a completed "Fire, Assistant Fire, or Fire Safety Inspector Instructor Initial Application" no later than two years after passing the fire instructor knowledge examination. • Must meet or complete all other requirements per OAC 4765-21-03. 	
Criminal Justice CW 172802	<ul style="list-style-type: none"> • Current Ohio Peace Officer Basic Training Program approved by the Ohio Peace Officer Training Commission or equivalent. • Current OPOTA Private Security Instructor Certification if offering Private Security Certification. • Current Instructor Cards for any other specialty certifications instructed (TASER, MACE, ASP, etc.). 	Associate degree or higher in criminal justice, law enforcement or related field. An individual having served as a private security training school commander as identified by the Ohio Peace Officer Training Commission is preferred.
Private Security CW 172808	<ul style="list-style-type: none"> • Current Ohio Peace Officer Basic Training Program approved by the Ohio Peace Officer Training Commission or equivalent. • Current OPOTA Private Security Instructor Certification if offering Private Security Certification. • Current Instructor Cards for any other specialty certifications instructed (TASER, MACE, ASP, etc.). 	Associate degree or higher in criminal justice, law enforcement or related field. An individual having served as a private security training school commander as identified by the Ohio Peace Officer Training Commission is preferred.
Fundamentals of Public Safety CW 172809		

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Career Paths for the Law Profession CW 172810	<ul style="list-style-type: none"> • Associate degree in paralegal studies (minimum). 	
Emergency Medical Technician—Secondary CW 172811	<ul style="list-style-type: none"> • Current and valid certificate to practice as an EMS provider or holds a current and valid Ohio license to practice as a registered nurse or a physician assistant. • In the preceding seven years, has been certified or licensed for at least five years as an EMS provider, registered nurse or physician assistant. • Has passed the knowledge examination at the level of the individual's certificate to practice as an EMS provider within the preceding three years. • Has passed the practical examination for the individual's level of certification within the preceding three years. • Has successfully completed an EMS instructor training program as set forth in this chapter. • Has passed the instructional methods examination established by the board pursuant to section 4765.11 of Ohio Revised Code within one year of completion of all other components of the EMS instructor training program, except as provided in 4765-18-13 of the Ohio Administrative Code. Failure to pass this examination within three attempts will require completion of a new EMS instructor training program. • Is in compliance with the requirements for a certificate to practice as set forth in paragraphs (A)(6) to (A)(12) of rule 4765-8-01 of the Ohio Administrative Code. • Must meet or complete all other requirements per OAC 4765-18-05. 	

Manufacturing Technologies

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Appliance Repair CW 170200		
Manufacturing Operations CW 170380		<ul style="list-style-type: none"> • ISO • Experience with EPA and OSHA standards
Automation and Robotics CW 170375		
Industrial Maintenance and Repair		

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
CW 171012		
Drafting Occupations CW 171300	<ul style="list-style-type: none"> • Must have experience with drafting conventions and dimensioning practices in mechanical and architectural areas. • Must demonstrate proficiency in the use of various computer hardware and software systems. 	<ul style="list-style-type: none"> • Recommended experience with 2D and 3D.
Electronics CW 171503		
Precision Machining CW 172302		<ul style="list-style-type: none"> • National Institute of Metalworking Skills (NIMS)
Manufacturing Occupations CW 172303		
Welding and Cutting CW 172306		<ul style="list-style-type: none"> • American Welding Society (AWS) • Certified Welder or Certified Welding Inspector • National Center for Construction Education and Research (NCCER)

Marketing

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Marketing Management CW 040810		Credentials that could add value: <ul style="list-style-type: none"> • Professional Certified Marketing • Certified Professional Marketing • Certified Marketing Executive • Certified Professional Salesperson • Certified Sales Executive
Marketing Communications CW 047000		Credentials that could add value: <ul style="list-style-type: none"> • Professional Certified Marketing • Certified Professional Marketing • Certified Marketing Executive • Certified Marketing Professional
Acquisition and Logistics CW 041900		Credentials that could add value: <ul style="list-style-type: none"> • Certified in Production and Inventory Management • Certified in Logistics, Transportation and Distribution • Certified Supply Chain Professional • Certified Logistics Technician • SCPro Certification
Entrepreneurship CW 044105		

Transportation Systems

Licensure Area/Teaching Field	Requirements	Recommendations/ Additional Information
Aviation Occupations CW 170400	<ul style="list-style-type: none"> • Must hold a Federal Aviation Administration certification in the primary area of training, as applicable. • May not work on aircraft maintenance without FAA Airframe and Power Plant certification. 	Note: May be Aviation Maintenance or Aviation Operations person.
Auto Collision Repair CW 170301	<ul style="list-style-type: none"> • Automotive Service Excellence or I-CAR current certification is required in areas of teaching responsibility. 	
Auto Technology CW 170302	<ul style="list-style-type: none"> • Automotive Service Excellence current certification is required in areas of teaching responsibility. 	<ul style="list-style-type: none"> • Master certification recommended. • Caution should be used if approving “mechanics” in service stations, tire dealerships, department or discount stores and self-employment.
Auto Specialization CW 170303	<ul style="list-style-type: none"> • Automotive Service Excellence current certification is required in areas of teaching responsibility. 	Master certification recommended.
Aircraft Maintenance CW 170401	<ul style="list-style-type: none"> • FAA Airframe and Power Plant license is required along with approval by the FAA local field inspector. 	
Ground Operations CW 170403	<ul style="list-style-type: none"> • Must hold a Federal Aviation Administration certification in the primary area of training, as applicable. • May not work on aircraft maintenance without FAA Airframe and Power Plant certification. • Note: May be taught by Aviation Maintenance or Aviation Occupations person as well. 	
Maritime Occupations CW 170801		Recommend candidates possess any Coast Guard or National Maritime Credentials appropriate to the content they are instructing.
Medium/Heavy Truck Technician CW 171200	<ul style="list-style-type: none"> • Automotive Service Excellence current certification is required in areas of teaching responsibility. 	
Power Equipment Technology CW 173100		Outdoor Power Equipment or Original Equipment Manufacturing (OEM) Certification recommended.

11.0 Career-Technical Licensure Programs Directory

The following list of approved programs offered at colleges and universities in Ohio includes references to three paths toward a teaching license.

College/University	Program	Contact
<i>Bowling Green State University</i>	Alternative Resident Educator	Mrs. Cindy Ross Bowling Green State University Bowling Green, OH 43403 Phone: (419) 372-7318 Email: rosscin@bgsu.edu
	Endorsement Transition to Work	Jeanne Novak, Associate Professor Intervention Services Bowling Green State University Bowling Green, Ohio 43403 Phone: 419-372-6826 Email: jnovak@bgsu.edu
<i>Kent State University</i>	Alternative Resident Educator	Dr. Patrick O'Connor Career-Technical Education 412 White Hall Kent State University Kent, OH 44242 Phone: (330) 672-2656 Email: poconnor@kent.edu
	Endorsement Career-Based Intervention	
	Endorsement Transition to Work	Dr. Robert Cimera 405 White Hall Kent State University Kent, OH 44242 Phone: (330) 672-5795 Email: rcimera@kent.edu
<i>The Ohio State University</i>	Alternative Resident Educator	Dr. Christopher Zirkle, Professor 468 PAES Building 305 Annie and John Glenn Avenue Columbus, OH 43210 Phone: (614) 247-6227 Email: zirkle.6@osu.edu
<i>Rio Grande, University of</i>	Alternative Resident Educator	Dr. Richard Fisher Assistant Professor, Career Tech 311 Anniversary Hall Rio Grande, Ohio 45674 Phone: 740 245-7336 Email: rfisher@rio.edu
<i>Toledo, The University of</i>	Alternative Resident Educator	Eric Landversicht, Director Career and Technical Education 2801 West Bancroft St. 2000C Gillham Hall University of Toledo Toledo, OH 43606 Phone: (419) 530-7291 Email: eric.landversicht@utoledo.edu
	Endorsement Career-Based Intervention Transition to Work Work Site Teacher/Coordinator	