

Career & Technical Education Licensure Construction Careers

Name: _____

Mailing Address: _____

Telephone: Work (Area): _____ Home (Area): _____

Fax: (Area Code): _____ E-mail: _____

Date of First Review: _____

Date of Second Review: _____

Date of Third Review: _____

Degree of Attainment

0 = No evidence exists.

1 = Evidence of learning does not meet the standard

2 = Limited evidence of knowledge and skills exists.

3 = Evidence of knowledge & skills meets or exceeds standard

* If in 0 or 1, recommendation must be addressed

Standard	Candidates Evidence of Proficiency	Degree of Attain.	Recommendations to Gain Proficiency
A candidate for licensure as a teacher of construction careers must complete a preparation program under subpart 2 that must include the candidate's demonstration of the knowledge and skills in items A to E.			
A. A teacher of construction careers must demonstrate the knowledge and applications of the academic subject matter required for proficiency within the following areas: <ul style="list-style-type: none"> (1) knowledge of math and measurement; (2) skill in technical reading and writing; 			

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<ul style="list-style-type: none"> (3) knowledge of geography and the environment as it relates to decision making and planning; (4) construction terminology/ vocabulary; and (5) scientific principles in the planning and construction process. 			
<p>B. A teacher of construction careers must demonstrate the knowledge and applications of construction systems and issues including:</p> <ul style="list-style-type: none"> (1) use of materials; (2) methods/processes in construction; (3) use and maintenance of tools and equipment; (4) understanding of subsystems, such as electrical, plumbing, heating, and landscaping; and (5) awareness of emerging products and technologies, such as air quality, energy conservation, and computer-controlled systems. 			
<p>C. A teacher of construction careers must demonstrate knowledge and application of planning, management, and business operation techniques in:</p> <ul style="list-style-type: none"> (1) scheduling of work crews and tasks; (2) financial aspects, such as securing financing, project estimating, and bidding procedures; (3) management of human and material resources; (4) understanding and interpreting construction documents, such as project plans, schedules, charts, graphs, and change orders; and 			

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(5) understanding and application of energy and building codes.			
<p>D. A teacher of construction careers must demonstrate knowledge of the construction career clusters in the areas of:</p> <ul style="list-style-type: none"> (1) potential career paths found in the construction industry; (2) levels of education, licensing/ certification requirements, employment opportunities, and workplace environments including team work and potential career growth; (3) work-based learning opportunities including job shadowing, internships, and apprenticeship programs; (4) labor organizations and their impact on the construction trades; and (5) utilizing personal occupational experiences to make construction careers meaningful to the students. 			
<p>E. A teacher of construction careers must demonstrate knowledge and application of safety and environmental practices including:</p> <ul style="list-style-type: none"> (1) use of tools and equipment; (2) personal safety concerns including body mechanics and ergonomics; (3) first aid procedures and universal precautions; (4) use of energy sources, such as natural gas and electricity; (5) Environmental Protection Agency (EPA) regulations, such as proper material disposal, indoor air quality, and lead and asbestos 			

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abatement; (6) Occupational Safety and Health Administration (OSHA) regulations; (7) material safety data sheets (MSDS) adhering to hazardous labeling requirements; and (8) safety signs, symbols, and labels.			

Teacher of Construction Careers Subject Matter Standard Evidence For Licensure in Career and Technical Education

SAMPLE TYPES OF EVIDENCE AN APPLICANT CAN PRESENT TO SHOW THEY HAVE DEVELOPED COMPETENCE IN THE SUBJECT MATTER STANDARD OF THEIR SPECIFIC FIELD

Type of Evidence	Accept	Not Accept	Criteria - Specify	Considerations/Comments
Work Experience Minimum Recentness Paid/Non-paid Required for license renewal Other (specify) Volunteer experiences if related to constructions area and can be adequately documented to demonstrate skills and knowledge gained.	Yes Yes Yes Yes Yes Yes Yes		As specified by licensure rules for non-degreed person 4 years work experience required for Temporary Limited licensure.	A. Work experience should demonstrate a variety of subject content matter gained through a variety of diverse work situations. Work experience should be skilled in nature related to the construction trades. B. Work such as a laborer doing repetitive tasks requiring minimal skills will not be considered. Skill competencies can be demonstrated such as with a journey person status from an apprenticeship program. C. Certification or licensure can be used to demonstrate industry skill proficiency such as a contractor's license, licensed electrician, or other.
Education Degree Major/Program Apprenticeship Internship Other (specify)	Yes Yes Yes Yes Yes Yes		(A.A.S., B.S., B.A.) Masters Ph.D.	A. Education qualifications to demonstrate construction knowledge as identified in the licensure subject matter of the Teacher of Construction Careers. B. Education degree in Industrial Technical Education/Technology Education will demonstrate some but not all subject matter content for licensure in Career and Technical Education. C. Other related degrees from a Technical or Community College related to the particular licensure such as Carpentry, Residential and Commercial Electrical, Plumbing, Structural Engineering, or other. D. Apprenticeship documenting attainment of proficiency, 8000 hours required for a journey person status. E. Internships if related to a course of study hours can count 2 to 1 for an approved supervised internship.
Other Certification Trade/Professional License Exam/Boards Military	Yes Yes Yes Yes Yes			A. Trade Professional Licenses must be current. B. Military with clinical credits and documented civilian equivalency code from the MN Department of Economic Security. C. Portfolio to contain qualifications and supporting documentation verifying clinical hours and study hours. Supporting documentation to include references

Type of Evidence	Accept	Not Accept	Criteria - Specify	Considerations/Comments
Personal Portfolio (photos, work samples, etc.) Other (specify)	Yes Yes Yes			verifying appropriate work experiences and course work completed from previous employers and educational institutions. D. Membership in professional organization(s) related to Construction Careers demonstrating a leadership role. E. Leadership roles in related student leadership organizations.