

CHAPTER 17
CAREER AND TECHNICAL ENDORSEMENTS AND LICENSES

[Prior to 1/14/09, see Educational Examiners Board[282] Ch 16]

282—17.1(272) Requirements for secondary level (grades 7-12) license. The initial license with the appropriate endorsement will be issued if the requirements of rules 282—13.6(272) and 282—13.18(272) for initial licensing have been met.

17.1(1) Secondary level career and technical endorsements. The following are required for adding secondary level career and technical endorsements to an initial, standard, master educator, or permanent professional teaching license.

a. Agricultural sciences and agribusiness.

(1) Completion of 24 semester credit hours in agriculture and agriculture education to include:

1. Foundations of vocational and career education.
2. Planning and implementing courses and curriculum.
3. Methods and techniques of instruction to include evaluation of programs and students.
4. Coordination of cooperative education programs.
5. Coursework in each of the following areas and at least 3 semester credit hours in five of the following areas:

- Agribusiness systems;
- Power, structural, and technical systems;
- Plant systems;
- Animal systems;
- Natural resources systems;
- Environmental service systems; and
- Food products and processing systems.

(2) One thousand hours of work experience in one or more of the areas listed in 17.1(1) “e.”

b. Marketing/distributive education. Completion of 24 semester hours in business to include a minimum of 6 semester hours each in marketing, management, and economics. Three thousand hours of recent, relevant work experience in occupations where the distribution of goods and services was the prime function. Coursework in foundations of career and technical education, in curriculum design oriented to marketing, and in the coordination of cooperative education programs.

c. Office education. Completion of 24 semester hours in business to include coursework in office management, business communications, word and data processing, and computer applications in business. Three thousand hours of recent, relevant work experience in an office-related occupation. Coursework in foundations of career and technical education, in curriculum design oriented to office education, and in the coordination of cooperative education programs.

d. Consumer and homemaking education. Completion of 24 semester hours in food and nutrition, consumer education, family living and parenthood education, child development, housing, home and resource management, and clothing and textiles. Four hundred hours of work experience in one or more homemaking or consumer-related occupations. Coursework in consumer and homemaking education to include methods and techniques of instruction, foundations of career and technical education, course and curriculum development, and evaluation of programs and students.

e. Career and technical home economics.

(1) Option 1. Completion of the requirements for consumer and homemaking education (see 17.1(1) “d”) and special preparation in the career and technical area or 400 hours of employment related specifically to the career and technical area.

(2) Option 2. Completion of a baccalaureate degree with a major in the career and technical area, coursework in methods and techniques of teaching, course and curriculum development, evaluation of programs and students, foundations of career and technical education, coordination of cooperative programs and a teaching practicum (supervised or assessment of other teaching experience), and 400 hours of employment related specifically to the career and technical area.

17.1(2) *Multioccupations.* Completion of any 7-12 endorsement, and in addition thereto, coursework in foundations of career and technical education, coordination of cooperative programs, and competency-based curriculum development. Four thousand hours of career and technical experience in two or more occupations. The multioccupations endorsement also authorizes the holder to supervise students in cooperative programs, school-to-work programs, and similar programs in which the student is placed in school-sponsored, on-the-job situations.

17.1(3) *Specialized secondary career and technical endorsement programs.* These are bachelor's degree programs which include specific preparation in career and technical teacher education.

a. Health occupations. Four thousand hours of health care-related career and technical experience within five years preceding application for licensure in the occupation to be taught. Program completion leading to registration, certification, or licensure in Iowa in the health specialty to be taught. Coursework in foundations of career and technical education, planning and implementing courses and curriculum, methods and techniques of instruction, and evaluation of programs and students.

b. Trade and industrial subjects. Demonstrated career and technical competence in an industrial, trade, or technical field by completion of a minimum of 4,000 hours of practical, hands-on experience in the area in which the endorsement is sought or written examination. Coursework in foundations of career and technical education, planning and implementing courses and curriculum, methods and techniques of instruction, and evaluation of programs and students.

c. Engineering.

(1) Completion of a baccalaureate degree in engineering.

(2) Demonstrated career and technical competence in engineering by completion of a minimum of 4,000 hours of practical, hands-on experience in engineering.

(3) Coursework in foundations of career and technical education, planning and implementing courses and curriculum, methods and strategies of STEM instruction, and assessment of STEM programs and students.

[ARC 8404B, IAB 12/16/09, effective 1/20/10; ARC 1171C, IAB 11/13/13, effective 12/18/13]

282—17.2(272) Requirements for the initial career and technical secondary license. This license is valid for five years. This license is provided to noneducators entering the education profession to instruct in occupations and specialty “fields” that are recognized in career and technical service areas and career cluster areas.

17.2(1) An applicant for this license must have completed 6,000 hours of recent and relevant career and technical experience in the teaching endorsement area sought. In those subjects, career and technical areas or endorsement areas which require state registration, certification or licensure, the applicant must hold the appropriate license, registration or certificate before the initial career and technical secondary license or the career and technical secondary license will be issued.

17.2(2) Applicants must commit to complete the following requirements within the term of this license. Holders of this license are expected to make annual progress at a minimum rate of one course per year to complete the studies.

a. A new teachers’ workshop of a minimum of 30 clock hours and specified competencies, to be completed during the first year of license validity.

b. Competency development in the methods and techniques of teaching.

c. Competency development in course and curriculum development.

d. Competency development in the measurement and evaluation of programs and students.

e. Competency development in the history and philosophy (foundations) of career and technical education.

f. An approved human relations course as described in rule 282—13.22(272).

17.2(3) Individuals who believe that their previous professional experiences or formal education and preparation indicate mastery of competencies in the required study areas may have the specific requirements waived. Transcripts or other supporting data should be provided to a teacher educator at one of the institutions which has an approved teacher education program. The results of the competency determination will be forwarded with recommendations to the board of educational examiners. Board

personnel will make final determination as to the competencies mastered and cite studies which yet need to be completed, if any.

[ARC 0026C, IAB 3/7/12, effective 4/11/12]

282—17.3(272) Requirements for the career and technical secondary license. This license is valid for five years.

17.3(1) Initial requirements. An applicant for this license must meet the requirements for the initial career and technical secondary license.

17.3(2) Renewal requirements for the career and technical secondary license. Six units are needed for renewal. These units may be earned in any combination of the units listed below.

a. One renewal unit may be earned for each semester hour of credit which advances an applicant toward the completion of a degree program.

b. One renewal unit may be earned for each semester hour of credit completed which may not lead to a degree but which adds greater technical depth/competence to the endorsement(s) held.

c. Renewal units may be earned upon the completion of staff development programs approved through guidelines established by the board of educational examiners or a technical update program approved by the board of educational examiners.

17.3(3) The applicant must complete an approved human relations component if the applicant has not previously done so.

17.3(4) An applicant who renews a license issued by the board of educational examiners must submit documentation of completion of the child and dependent adult abuse training approved by the state abuse education review panel. A waiver of this requirement may apply under the following conditions with appropriate documentation of any of the following:

a. A person is engaged in active duty in the military service of this state or of the United States.

b. The application of this requirement would impose an undue hardship on the person for whom the waiver is requested.

c. A person is practicing a licensed profession outside this state.

d. A person is otherwise subject to circumstances that would preclude the person from satisfying the approved child and dependent adult abuse training in this state.

282—17.4(272) Requirements for a Class D career and technical license. Rescinded ARC 0609C, IAB 2/20/13, effective 3/27/13.

These rules are intended to implement Iowa Code chapter 272.

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