

CHAPTER 13
ISSUANCE OF TEACHER LICENSES AND ENDORSEMENTS

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

282—13.1(272) All applicants desiring Iowa licensure. Licenses are issued upon application filed on a form provided by the board of educational examiners and upon completion of the following:

13.1(1) *National criminal history background check.* An initial applicant will be required to submit a completed fingerprint packet that accompanies the application to facilitate a national criminal history background check. The fee for the evaluation of the fingerprint packet will be assessed to the applicant.

13.1(2) *Iowa division of criminal investigation background check.* An Iowa division of criminal investigation background check will be conducted on initial applicants. The fee for the evaluation of the DCI background check will be assessed to the applicant.

13.1(3) *Temporary permits.* The executive director may issue a temporary permit to an applicant for any type of license, certification, or authorization issued by the board, after receipt of a fully completed application, including certification from the applicant of completion of the Praxis II examination, if required; determination that the applicant meets all applicable prerequisites for issuance of the license, certification, or authorization; and satisfactory evaluation of the Iowa criminal history background check. The temporary permit shall serve as evidence of the applicant's authorization to hold a position in Iowa schools, pending the satisfactory completion of the national criminal history background check and the board's receipt of verification of completion of the Praxis II examination. The temporary permit shall expire upon issuance of the requested license, certification, or authorization or 90 days from the date of issuance of the permit, whichever occurs first, unless the temporary permit is extended upon a finding of good cause by the executive director.

282—13.2(272) Applicants from recognized Iowa institutions. An applicant for initial licensure shall complete either the teacher, administrator, or school service personnel preparation program from a recognized Iowa institution or an alternative program recognized by the Iowa board of educational examiners. A recognized Iowa institution is one which has its program of preparation approved by the state board of education according to standards established by said board, or an alternative program recognized by the state board of educational examiners. Applicants shall complete the requirements set out in rule 282—13.1(272) and shall also have the recommendation for the specific license and endorsement(s) or the specific endorsement(s) from the designated recommending official at the recognized education institution where the preparation was completed.

282—13.3(272) Applicants from recognized non-Iowa institutions. An applicant for initial licensure who completes the teacher, administrator, or school service personnel preparation program from a recognized non-Iowa institution shall verify the requirements of either subrule 13.18(4) or 13.18(5).

13.3(1) Requirements for an alternative preparation license for out-of-state candidates. An applicant who holds a valid license from another state and whose preparation was completed through a state-approved alternative teacher preparation program must:

a. Hold a baccalaureate degree with a minimum cumulative grade point average of 2.50 on a 4.0 scale from a regionally accredited institution.

b. Provide a valid out-of-state teaching license based on a state-approved alternative preparation program.

c. Provide a recommendation from a regionally accredited institution, department of education, or a state's standards board indicating the completion of an approved alternative teacher preparation program.

d. Provide an official institutional transcript(s) to be analyzed for the requirements necessary for full Iowa licensure based on 13.9(4) "a"(1) to (7) and 13.9(4) "c"(1) to (5).

e. If the applicant has completed fewer than three years of teaching experience, provide verification from the state licensing agency/department in the state where the alternative preparation program was completed indicating that the applicant has successfully passed that state's mandated tests.

f. Verify three years of teaching experience, which will waive the student teaching requirement.

13.3(2) A recognized non-Iowa teacher preparation institution is one that is state-approved and is accredited by the regional accrediting agency for the territory in which the institution is located.
[ARC 8139B, IAB 9/9/09, effective 10/14/09]

282—13.4(272) Applicants from foreign institutions. An applicant for initial licensure whose preparation was completed in a foreign institution must obtain a course-by-course credential evaluation report completed by one of the board-approved credential evaluation services and then file this report with the board of educational examiners for a determination of eligibility for licensure.

282—13.5(272) Teacher licenses. A license may be issued to applicants who fulfill the general requirements set out in subrule 13.5(1) and the specific requirements set out for each license.

13.5(1) General requirements. The applicant shall:

- a.* Have a baccalaureate degree from a regionally accredited institution.
- b.* Have completed a state-approved teacher education program which meets the requirements of the professional education core.
- c.* Have completed an approved human relations component.
- d.* Have completed the exceptional learner component.
- e.* Have completed the requirements for one of the basic teaching endorsements.
- f.* Meet the recency requirement of subrule 13.10(3).

13.5(2) Renewal requirements. Renewal requirements for teacher licenses are set out in 282—Chapter 20.

282—13.6(272) Specific requirements for an initial license. An initial license valid for two years may be issued to an applicant who meets the general requirements set forth in subrule 13.5(1).

282—13.7(272) Specific requirements for a standard license. A standard license valid for five years may be issued to an applicant who:

1. Meets the general requirements set forth in subrule 13.5(1), and
2. Shows evidence of successful completion of a state-approved mentoring and induction program by meeting the Iowa teaching standards as determined by a comprehensive evaluation and two years' successful teaching experience. In lieu of completion of an Iowa state-approved mentoring and induction program, the applicant must provide evidence of three years' successful teaching experience in an Iowa nonpublic school or three years' successful teaching experience in an out-of-state K-12 educational setting.

282—13.8(272) Specific requirements for a master educator's license. A master educator's license is valid for five years and may be issued to an applicant who:

1. Is the holder of or is eligible for a standard license as set out in rule 282—13.7(272), and
2. Verifies five years of successful teaching experience, and
3. Completes one of the following options:
 - Master's degree in a recognized endorsement area, or
 - Master's degree in curriculum, effective teaching, or a similar degree program which has a focus on school curriculum or instruction.

282—13.9(272) Teacher intern license.

13.9(1) Authorization. The teacher intern is authorized to teach in grades 7 to 12.

13.9(2) Term. The term of the teacher intern license will be one year from the date of issuance. This license is nonrenewable. The fee for the teacher intern license is in 282—Chapter 12.

13.9(3) Teacher intern requirements. A teacher intern license shall be issued upon application provided that the following requirements have been met. The applicant shall:

- a.* Hold a baccalaureate degree with a minimum cumulative grade point average of 2.50 on a 4.0 scale from a regionally accredited institution.

b. Meet the requirements of at least one of the board's secondary (5-12) teaching endorsements listed in rule 282—13.28(272).

c. Possess a minimum of three years of postbaccalaureate work experience. An authorized official at a college or university with an approved teacher intern program will evaluate this experience.

d. Successfully complete the teacher intern program requirements listed in subrule 13.9(4) and approved by the state board of education.

e. Successfully pass a basic skills test at the level approved by the teacher education institution.

13.9(4) Program requirements. The teacher intern shall:

a. Complete the following requirements prior to the internship year:

(1) Learning environment/classroom management. The intern uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.

(2) Instructional planning. The intern plans instruction based upon knowledge of subject matter, students, the community, curriculum goals, and state curriculum models.

(3) Instructional strategies. The intern understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.

(4) Student learning. The intern understands how students learn and develop and provides learning opportunities that support intellectual, career, social, and personal development.

(5) Diverse learners. The intern understands how students differ in their approaches to learning and creates instructional opportunities that are equitable and are adaptable to diverse learners.

(6) Collaboration, ethics and relationships. The intern fosters relationships with parents, school colleagues, and organizations in the larger community to support students' learning and development.

(7) Assessment. The intern understands and uses formal and informal assessment strategies to evaluate the continuous intellectual, social, and physical development of the learner.

(8) Field experiences that provide opportunities for interaction with students in an environment that supports learning in context. These experiences shall total at least 50 contact hours in the field prior to the beginning of the academic year of the candidate's initial employment as a teacher intern.

b. Complete four semester hours of a teacher intern seminar during the teacher internship year to include support and extension of coursework from the teacher intern program.

c. Complete the coursework and competencies in the following areas:

(1) Foundations, reflection, and professional development. The intern continually evaluates the effects of the practitioner's choices and actions on students, parents, and other professionals in the learning community and actively seeks out opportunities to grow professionally.

(2) Communication. The intern uses knowledge of effective verbal, nonverbal, and media communication techniques, and other forms of symbolic representation, to foster active inquiry and collaboration and to support interaction in the classroom.

(3) Exceptional learner program, which must include preparation that contributes to the education of individuals with disabilities and the gifted and talented.

(4) Preparation in the integration of reading strategies into the content area.

(5) Computer technology related to instruction.

(6) An advanced study of the items set forth in 13.9(4) "a"(1) to (7) above.

13.9(5) Local school district requirements. The local school district shall:

a. Provide an offer of employment to an individual who has been evaluated by a college or university for eligibility or acceptance in the teacher intern program.

b. Participate in a mentoring and induction program.

c. Provide a district mentor for the teacher intern.

d. Provide other support and supervision, as needed, to maximize the opportunity for the teacher intern to succeed.

e. Not overload the teacher intern with extracurricular duties not directly related to the teacher intern's teaching assignment.

f. Provide evidence to the board from a licensed evaluator that the teacher intern is participating in a mentoring and induction program.

g. At the board's request, provide information including, but not limited to, the teacher intern selection and preparation program, institutional support, local school district mentor, and local school district support.

13.9(6) *Requirements to convert the teacher intern license to the initial license.*

a. An initial license shall be issued upon application provided that the teacher intern has met all of the following requirements:

(1) Successful completion of the coursework and competencies in the teacher intern program approved by the state board of education.

(2) Verification from a licensed evaluator that the teacher intern served successfully for a minimum of 160 days.

(3) Verification from a licensed evaluator that the teacher intern is participating in a mentoring and induction program and is being assessed on the Iowa teaching standards.

(4) Recommendation by a college or university offering an approved teacher intern program that the individual is eligible for an initial license.

(5) At the board's request, the teacher intern shall provide to the board information including, but not limited to, the teacher intern selection and preparation program, institutional support, local school district mentor, and local school district support.

b. The teacher intern year will count as one of the years that is needed for the teacher intern to convert the initial license to the standard license if the conditions listed in paragraph 13.9(6) "a" have been met.

13.9(7) *Requirements to obtain the initial license if the teacher intern does not complete the internship year.* An initial license shall be issued upon application provided that the teacher intern has met all of the following requirements:

a. Successful completion of the coursework and competencies in the teacher intern program approved by the state board of education.

b. Verification by a college or university that the teacher intern successfully completed the college's or university's state-approved student teaching requirements.

c. Recommendation by a college or university offering an approved teacher intern program that the individual is eligible for an initial license.

d. At the board's request, the teacher intern shall provide to the board information including, but not limited to, the teacher intern selection and preparation program, institutional support, local school district mentor, and local school district support.

282—13.10(272) Specific requirements for a Class A license. A nonrenewable Class A license valid for one year may be issued to an individual who has completed a teacher education program under any one of the following conditions:

13.10(1) *Professional core requirements.* The individual has not completed all of the required courses in the professional core, 13.18(4) "a" through "j."

13.10(2) *Human relations component.* The individual has not completed an approved human relations component.

13.10(3) *Recency.* The individual meets the requirements for a valid license, but has had fewer than 160 days of teaching experience during the five-year period immediately preceding the date of application or has not completed six semester hours of college credit from a recognized institution within the five-year period. To obtain the desired license, the applicant must complete recent credits and, where recent credits are required, these credits shall be taken in professional education or in the applicant's endorsement area(s).

13.10(4) *Degree not granted until next regular commencement.* Rescinded IAB 9/9/09, effective 10/14/09.

13.10(5) *Based on an expired Iowa certificate or license, exclusive of a Class A or Class B license.* The holder of an expired license, exclusive of a Class A or Class B license, shall be eligible to receive a Class A license upon application. This license shall be endorsed for the type of service authorized by the expired license on which it is based.

13.10(6) *Based on a mentoring and induction program.* An applicant may be eligible for a Class A license if the school district, after conducting a comprehensive evaluation, recommends and verifies that the applicant shall participate in the mentoring program for a third year.

13.10(7) *Based on an administrative decision.* The executive director is authorized to issue a Class A license to an applicant whose services are needed to fill positions in unique need circumstances. [ARC 7987B, IAB 7/29/09, effective 9/2/09; ARC 8134B, IAB 9/9/09, effective 10/14/09]

282—13.11(272) Specific requirements for a Class B license. A Class B license, which is valid for two years and which is nonrenewable, may be issued to an individual under the following conditions:

13.11(1) *Endorsement in progress.* The individual has a valid license and one or more endorsements, but is seeking to obtain some other endorsement. A Class B license may be issued if requested by an employer and if the individual seeking to obtain some other endorsement has completed at least two-thirds of the requirements, or one-half of the content requirements in a state-designated shortage area, leading to completion of all requirements for the endorsement.

13.11(2) *Program of study for special education endorsement.* The college or university must outline the program of study necessary to meet the special education endorsement requirements. This program of study must be attached to the application.

13.11(3) *Request for exception.* A school district administrator may file a written request with the board for an exception to the minimum content requirements on the basis of documented need and benefit to the instructional program. The board will review the request and provide a written decision either approving or denying the request.

13.11(4) *Provisional occupational license.* If an individual is eligible for a provisional occupational license but has not met all of the experience requirements, a Class B license may be issued while the individual earns the necessary experience.

13.11(5) *Expiration.* This license will expire on June 30 of the fiscal year in which it was issued plus one year.

[ARC 7987B, IAB 7/29/09, effective 9/2/09; ARC 8133B, IAB 9/9/09, effective 10/14/09]

282—13.12(272) Specific requirements for a Class C license. Rescinded IAB 7/29/09, effective 9/2/09.

282—13.13(272) Specific requirements for a Class D occupational license. Rescinded IAB 7/29/09, effective 9/2/09.

282—13.14(272) Specific requirements for a Class E license. A nonrenewable license valid for one year may be issued to an individual as follows:

13.14(1) *Expired license.* Based on an expired Class A, Class B, or teacher exchange license, the holder of the expired license shall be eligible to receive a Class E license upon application and submission of all required materials.

13.14(2) *Application.* The application process will require transcripts of coursework completed during the term of the expired license, a program of study indicating the coursework necessary to obtain full licensure, and registration for coursework to be completed during the term of the Class E license. The Class E license will be denied if the applicant has not completed any coursework during the term of the Class A or Class B license unless extenuating circumstances are verified.

[ARC 7987B, IAB 7/29/09, effective 9/2/09]

282—13.15(272) Specific requirements for a Class G license. A nonrenewable Class G license valid for one year may be issued to an individual who must complete a school guidance counseling practicum or internship in an approved program in preparation for the school guidance counselor endorsement. The Class G license may be issued under the following limited conditions:

1. Verification of a baccalaureate degree from a regionally accredited institution.
2. Verification from the institution that the individual is admitted and enrolled in an approved school guidance counseling program.

3. Verification that the individual has completed the coursework and competencies required prior to the practicum or internship.

4. Written documentation of the requirements listed in “1” to “3” above, provided by the official at the institution where the individual is completing the approved school guidance counseling program and forwarded to the Iowa board of educational examiners with the application form for licensure.

282—13.16(272) Specific requirements for a substitute teacher’s license.

13.16(1) *Substitute teacher requirements.* A substitute teacher’s license may be issued to an individual who:

a. Has been the holder of, or presently holds, a license in Iowa; or holds or held a regular teacher’s license or certificate in another state, exclusive of temporary, emergency, or substitute certificate or license, or a certificate based on an alternative certification program; or

b. Has successfully completed all requirements of an approved teacher education program and is eligible for the initial license, but has not applied for and been issued this license, or who meets all requirements for the initial license with the exception of the degree but whose degree will be granted at the next regular commencement; or

c. Has successfully completed all requirements of an approved Iowa teacher education program, but did not apply for an Iowa teacher’s license at the time of completion of the approved program.

13.16(2) *Validity.* A substitute license is valid for five years and for not more than 90 days of teaching in one assignment during any one school year. A school district administrator may file a written request with the board for an extension of the 90-day limit in one assignment on the basis of documented need and benefit to the instructional program. The board will review the request and provide a written decision either approving or denying the request.

13.16(3) *Authorization.* The holder of a substitute license is authorized to teach in any school system in any position in which a regularly licensed teacher was employed to begin the school year. In addition to the authority inherent in the initial, standard, master educator, professional administrator, two-year exchange, and permanent professional licenses and the endorsement(s) held, the holder of one of these regular licenses may substitute on the same basis as the holder of a substitute license while the regular license is in effect.

282—13.17(272) Specific requirements for exchange licenses. An applicant seeking Iowa licensure who completes the teacher preparation program from a recognized non-Iowa institution shall verify the requirements of subrules 13.18(4) and 13.18(5) through traditional course-based preparation program and transcript review. A recognized non-Iowa teacher preparation institution is one that is state-approved and is accredited by the regional accrediting agency for the territory in which the institution is located.

13.17(1) *One-year teacher exchange license.*

a. A one-year nonrenewable exchange license may be issued to an applicant under the following conditions:

(1) The applicant has completed a state-approved, regionally accredited teacher education program; and

(2) The applicant has the recommendation for the specific license and endorsement(s) from the designated recommending official at the recognized non-Iowa institution where the preparation was completed; and

(3) The applicant holds and submits a copy of a valid regular certificate or license in the state in which the preparation was completed, exclusive of a temporary, emergency or substitute license or certificate; and

(4) If the applicant has fewer than three years of teaching experience or is being recommended for a K-6 elementary education endorsement, the applicant must verify successful completion of mandated tests in the state in which the applicant is currently licensed; and

(5) Each exchange license shall be limited to the area(s) and level(s) of instruction as determined by an analysis of the application, the transcripts and the license or certificate held in the state in which the basic preparation for licensure was completed or of the application and the credential evaluation report.

The applicant must have completed at least 50 percent of the endorsement requirements through a two- or four-year institution in order for the endorsement to be included on the exchange license; and

- (6) The applicant is not subject to any pending disciplinary proceedings in any state or country; and
- (7) The applicant complies with all requirements with regard to application processes and payment of licensure fees.

b. After the term of the exchange license has expired, the applicant may apply to be fully licensed if the applicant has completed all requirements and is eligible for full licensure.

13.17(2) *Two-year nonrenewable school counseling exchange license.*

a. A two-year nonrenewable school counseling exchange license may be issued to an individual, provided that the individual:

- (1) Has completed a regionally accredited master's degree program in school guidance counseling.
- (2) Holds a valid school counseling certificate or license issued by an examining board which issues certificates or licenses based on requirements which are substantially equivalent to those of the board of educational examiners.
- (3) Meets the qualifications in Iowa Code section 272.6.
- (4) Is not subject to any pending disciplinary proceeding in any state.

b. Each exchange license shall be limited to the area(s) and level(s) of counseling as determined by an analysis of the application, the transcripts, and the license or certificate held in the state in which the basic preparation for the school counseling license was completed.

c. Each applicant for the exchange license shall comply with all requirements with regard to application processes and payment of licensure fees.

d. Each individual receiving the two-year exchange license must complete any identified licensure deficiencies in order to be eligible for a regular educational license in Iowa.

e. Individuals licensed under this provision are subject to the administrative rules of the board.

13.17(3) *International teacher exchange license.*

a. A nonrenewable international exchange license may be issued to an applicant under the following conditions:

- (1) The applicant has completed a teacher education program in another country; and
- (2) The applicant is not subject to any pending disciplinary proceedings in any state or country; and
- (3) The applicant complies with all requirements with regard to application processes and payment of licensure fees; and

(4) The applicant is a participant in a teacher exchange program administered through the Iowa department of education.

b. Each exchange license shall be limited to the area(s) and level(s) of instruction as determined by an analysis of the application and the credential evaluation report.

c. This license shall not exceed three years.

d. After the term of the exchange license has expired, the applicant may apply to be fully licensed if the applicant has completed all requirements and is eligible for full licensure.

[ARC 8138B, IAB 9/9/09, effective 10/14/09]

282—13.18(272) General requirements for an original teaching subject area endorsement. Following are the general requirements for the issuance of a license with an endorsement.

13.18(1) Baccalaureate degree from a regionally accredited institution.

13.18(2) Completion of an approved human relations component.

13.18(3) Completion of the exceptional learner program, which must include preparation that contributes to the education of individuals with disabilities and the gifted and talented.

13.18(4) Professional education core. Completed coursework or evidence of competency in:

a. Student learning. The practitioner understands how students learn and develop, and provides learning opportunities that support intellectual, career, social and personal development.

b. Diverse learners. The practitioner understands how students differ in their approaches to learning and creates instructional opportunities that are equitable and are adaptable to diverse learners.

c. Instructional planning. The practitioner plans instruction based upon knowledge of subject matter, students, the community, curriculum goals, and state curriculum models.

d. Instructional strategies. The practitioner understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.

e. Learning environment/classroom management. The practitioner uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.

f. Communication. The practitioner uses knowledge of effective verbal, nonverbal, and media communication techniques, and other forms of symbolic representation, to foster active inquiry, collaboration, and support interaction in the classroom.

g. Assessment. The practitioner understands and uses formal and informal assessment strategies to evaluate the continuous intellectual, social, and physical development of the learner.

h. Foundations, reflection and professional development. The practitioner continually evaluates the effects of the practitioner's choices and actions on students, parents, and other professionals in the learning community, and actively seeks out opportunities to grow professionally.

i. Collaboration, ethics and relationships. The practitioner fosters relationships with parents, school colleagues, and organizations in the larger community to support students' learning and development.

j. Computer technology related to instruction.

k. Completion of pre-student teaching field-based experiences.

l. Methods of teaching with an emphasis on the subject and grade level endorsement desired.

m. Student teaching in the subject area and grade level endorsement desired.

n. Preparation in reading programs, including reading recovery, and integration of reading strategies into content area methods coursework.

13.18(5) Content/subject matter specialization. The practitioner understands the central concepts, tools of inquiry, and structure of the discipline(s) the practitioner teaches and creates learning experiences that make these aspects of subject matter meaningful for students. This is evidenced by completion of a 30-semester-hour teaching major which must minimally include the requirements for at least one of the basic endorsement areas, special education teaching endorsements, or secondary level occupational endorsements.

282—13.19(272) NCATE-accredited programs. Rescinded IAB 6/17/09, effective 7/22/09.

282—13.20 Reserved.

282—13.21(272) Human relations requirements for practitioner licensure. Preparation in human relations shall be included in programs leading to teacher licensure. Human relations study shall include interpersonal and intergroup relations and shall contribute to the development of sensitivity to and understanding of the values, beliefs, lifestyles and attitudes of individuals and the diverse groups found in a pluralistic society.

13.21(1) Beginning on or after August 31, 1980, each applicant for an initial practitioner's license shall have completed the human relations requirement.

13.21(2) On or after August 31, 1980, each applicant for the renewal of a practitioner's license shall have completed an approved human relations requirement.

13.21(3) Credit for the human relations requirement shall be given for licensed persons who can give evidence that they have completed a human relations program which meets board of educational examiners criteria (see rule 282—13.24(272)).

282—13.22(272) Development of human relations components. Human relations components shall be developed by teacher preparation institutions. In-service human relations components may also be

developed by educational agencies other than teacher preparation institutions, as approved by the board of educational examiners.

13.22(1) *Advisory committee.* Education agencies developing human relations components shall give evidence that in the development of their programs they were assisted by an advisory committee. The advisory committee shall consist of equal representation of various minority and majority groups.

13.22(2) *Standards for approved components.* Human relations components will be approved by the board of educational examiners upon submission of evidence that the components are designed to develop the ability of participants to:

a. Be aware of and understand the values, lifestyles, history, and contributions of various identifiable subgroups in our society.

b. Recognize and deal with dehumanizing biases such as sexism, racism, prejudice, and discrimination and become aware of the impact that such biases have on interpersonal relations.

c. Translate knowledge of human relations into attitudes, skills, and techniques which will result in favorable learning experiences for students.

d. Recognize the ways in which dehumanizing biases may be reflected in instructional materials.

e. Respect human diversity and the rights of each individual.

f. Relate effectively to other individuals and various subgroups other than one's own.

13.22(3) *Evaluation.* Educational agencies providing the human relations components shall indicate the means to be utilized for evaluation.

282—13.23 to 13.25 Reserved.

282—13.26(272) Requirements for elementary endorsements.

13.26(1) *Teacher—prekindergarten-kindergarten.*

a. Authorization. The holder of this endorsement is authorized to teach at the prekindergarten/ kindergarten level.

b. Program requirements.

(1) Degree—baccalaureate, and

(2) Completion of an approved human relations program, and

(3) Completion of the professional education core. See subrule 13.18(3).

c. Content.

(1) Human growth and development: infancy and early childhood, unless completed as part of the professional education core. See subrule 13.18(4).

(2) Curriculum development and methodology for young children.

(3) Child-family-school-community relationships (community agencies).

(4) Guidance of young children three to six years of age.

(5) Organization of prekindergarten-kindergarten programs.

(6) Child and family nutrition.

(7) Language development and learning.

(8) Kindergarten: programs and curriculum development.

13.26(2) *Teacher—prekindergarten through grade three.*

a. Authorization. The holder of this endorsement is authorized to teach children from birth through grade three.

b. Program requirements.

(1) Degree—baccalaureate.

(2) Completion of an approved human relations program.

(3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content.

(1) Child growth and development with emphasis on cognitive, language, physical, social, and emotional development, both typical and atypical, for infants and toddlers, preprimary, and primary school children (grades one through three), unless combined as part of the professional education core. See subrule 13.18(4) of the licensure rules for the professional core.

- (2) Historical, philosophical, and social foundations of early childhood education.
- (3) Developmentally appropriate curriculum with emphasis on integrated multicultural and nonsexist content including language, mathematics, science, social studies, health, safety, nutrition, visual and expressive arts, social skills, higher-thinking skills, and developmentally appropriate methodology, including adaptations for individual needs, for infants and toddlers, preprimary, and primary school children.
- (4) Characteristics of play and creativity, and their contributions to the cognitive, language, physical, social and emotional development and learning of infants and toddlers, preprimary, and primary school children.
- (5) Classroom organization and individual interactions to create positive learning environments for infants and toddlers, preprimary, and primary school children based on child development theory emphasizing guidance techniques.
- (6) Observation and application of developmentally appropriate assessments for infants and toddlers, preprimary, and primary school children recognizing, referring, and making adaptations for children who are at risk or who have exceptional educational needs and talents.
- (7) Home-school-community relationships and interactions designed to promote and support parent, family and community involvement, and interagency collaboration.
- (8) Family systems, cultural diversity, and factors which place families at risk.
- (9) Child and family health and nutrition.
- (10) Advocacy, legislation, and public policy as they affect children and families.
- (11) Administration of child care programs to include staff and program development and supervision and evaluation of support staff.
- (12) Pre-student teaching field experience with three age levels in infant and toddler, preprimary, and primary programs, with no less than 100 clock hours, and in different settings, such as rural and urban, socioeconomic status, cultural diversity, program types, and program sponsorship.
- (13) Student teaching experiences with two different age levels, one before kindergarten and one from kindergarten through grade three.

13.26(3) Teacher—prekindergarten through grade three, including special education.

a. Authorization. The holder of this endorsement is authorized to teach children from birth through grade three.

b. Program requirements.

- (1) Degree—baccalaureate, and
- (2) Completion of an approved human relations program, and
- (3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content.

- (1) Child growth and development.
 1. Understand the nature of child growth and development for infants and toddlers (birth through age 2), preprimary (age 3 through age 5) and primary school children (age 6 through age 8), both typical and atypical, in areas of cognition, language development, physical motor, social-emotional, aesthetics, and adaptive behavior.
 2. Understand individual differences in development and learning including risk factors, developmental variations and developmental patterns of specific disabilities and special abilities.
 3. Recognize that children are best understood in the contexts of family, culture and society and that cultural and linguistic diversity influences development and learning.
- (2) Developmentally appropriate learning environment and curriculum implementation.
 1. Establish learning environments with social support, from the teacher and from other students, for all children to meet their optimal potential, with a climate characterized by mutual respect, encouraging and valuing the efforts of all regardless of proficiency.
 2. Appropriately use informal and formal assessment to monitor development of children and to plan and evaluate curriculum and teaching practices to meet individual needs of children and families.

3. Plan, implement, and continuously evaluate developmentally and individually appropriate curriculum goals, content, and teaching practices for infants, toddlers, preprimary and primary children based on the needs and interests of individual children, their families and community.

4. Use both child-initiated and teacher-directed instructional methods, including strategies such as small and large group projects, unstructured and structured play, systematic instruction, group discussion and cooperative decision making.

5. Develop and implement integrated learning experiences for home-, center- and school-based environments for infants, toddlers, preprimary and primary children.

6. Develop and implement integrated learning experiences that facilitate cognition, communication, social and physical development of infants and toddlers within the context of parent-child and caregiver-child relationships.

7. Develop and implement learning experiences for preprimary and primary children with focus on multicultural and nonsexist content that includes development of responsibility, aesthetic and artistic development, physical development and well-being, cognitive development, and emotional and social development.

8. Develop and implement learning experiences for infants, toddlers, preprimary, and primary children with a focus on language, mathematics, science, social studies, visual and expressive arts, social skills, higher-thinking skills, and developmentally appropriate methodology.

9. Develop adaptations and accommodations for infants, toddlers, preprimary, and primary children to meet their individual needs.

10. Adapt materials, equipment, the environment, programs and use of human resources to meet social, cognitive, physical motor, communication, and medical needs of children and diverse learning needs.

(3) Health, safety and nutrition.

1. Design and implement physically and psychologically safe and healthy indoor and outdoor environments to promote development and learning.

2. Promote nutritional practices that support cognitive, social, cultural and physical development of young children.

3. Implement appropriate appraisal and management of health concerns of young children including procedures for children with special health care needs.

4. Recognize signs of emotional distress, physical and mental abuse and neglect in young children and understand mandatory reporting procedures.

5. Demonstrate proficiency in infant-child cardiopulmonary resuscitation, emergency procedures and first aid.

(4) Family and community collaboration.

1. Apply theories and knowledge of dynamic roles and relationships within and between families, schools, and communities.

2. Assist families in identifying resources, priorities, and concerns in relation to the child's development.

3. Link families, based on identified needs, priorities and concerns, with a variety of resources.

4. Use communication, problem-solving and help-giving skills in collaboration with families and other professionals to support the development, learning and well-being of young children.

5. Participate as an effective member of a team with other professionals and families to develop and implement learning plans and environments for young children.

(5) Professionalism.

1. Understand legislation and public policy that affect all young children, with and without disabilities, and their families.

2. Understand legal aspects, historical, philosophical, and social foundations of early childhood education and special education.

3. Understand principles of administration, organization and operation of programs for children from birth to age 8 and their families, including staff and program development, supervision and evaluation of staff, and continuing improvement of programs and services.

4. Identify current trends and issues of the profession to inform and improve practices and advocate for quality programs for young children and their families.

5. Adhere to professional and ethical codes.

6. Engage in reflective inquiry and demonstration of professional self-knowledge.

(6) Pre-student teaching field experiences. Complete 100 clock hours of pre-student teaching field experience with three age levels in infant and toddler, preprimary, and primary programs and in different settings, such as rural and urban, encompassing differing socioeconomic status, ability levels, cultural and linguistic diversity and program types and sponsorship.

(7) Student teaching. Complete a supervised student teaching experience of a total of at least 12 weeks in at least two different classrooms which include children with and without disabilities in two of three age levels: infant and toddler, preprimary, and primary.

13.26(4) Teacher—elementary classroom.

a. *Authorization.* The holder of this endorsement is authorized to teach in kindergarten and grades one through six.

b. *Program requirements.*

(1) Degree—baccalaureate, and

(2) Completion of an approved human relations component, and

(3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. *Content.*

(1) Child growth and development with emphasis on the emotional, physical and mental characteristics of elementary age children, unless completed as part of the professional education core. See subrule 13.18(4).

(2) Methods and materials of teaching elementary language arts.

(3) Methods and materials of teaching elementary reading.

(4) Elementary curriculum (methods and materials).

(5) Methods and materials of teaching elementary mathematics.

(6) Methods and materials of teaching elementary science.

(7) Children's literature.

(8) Methods and materials of teaching elementary social studies.

(9) Methods and materials in two of the following areas:

1. Methods and materials of teaching elementary health.

2. Methods and materials of teaching elementary physical education.

3. Methods and materials of teaching elementary art.

4. Methods and materials of teaching elementary music.

(10) Pre-student teaching field experience in at least two different grades.

(11) A field of specialization in a single discipline or a formal interdisciplinary program of at least 12 semester hours.

282—13.27(272) Requirements for middle school endorsements.

13.27(1) Authorization. The holder of this endorsement is authorized to teach in the two concentration areas in which the specific requirements have been completed as well as in other subject areas in grades five through eight which are not the core content areas. The holder is not authorized to teach art, industrial arts, music, reading, physical education and special education.

13.27(2) Program requirements.

a. Be the holder of a currently valid Iowa teacher's license with either the general elementary endorsement or one of the subject matter secondary level endorsements set out in rule 282—13.28(272) or 282—subrules 17.1(1) and 17.1(3).

b. A minimum of 9 semester hours of required coursework in the following:

(1) Coursework in the growth and development of the middle school age child, specifically addressing the social, emotional, physical and cognitive characteristics and needs of middle school age children in addition to related studies completed as part of the professional education core in subrule 13.18(4).

(2) Coursework in middle school design, curriculum, instruction, and assessment including, but not limited to, interdisciplinary instruction, teaming, and differentiated instruction in addition to related studies completed as part of the professional education core in subrule 13.18(4).

(3) Coursework to prepare middle school teachers in literacy (reading, writing, listening and speaking) strategies for students in grades five through eight and in methods to include these strategies throughout the curriculum.

c. Thirty hours of middle school field experiences included in the coursework requirements listed in 13.27(2)“b”(1) to (3).

13.27(3) Concentration areas. To obtain this endorsement, the applicant must complete the coursework requirements in two of the following content areas:

a. *Social studies concentration.* The social studies concentration requires 12 semester hours of coursework in social studies to include coursework in United States history, world history, government and geography.

b. *Mathematics concentration.* The mathematics concentration requires 12 semester hours in mathematics to include coursework in algebra.

c. *Science concentration.* The science concentration requires 12 semester hours in science to include coursework in life science, earth science, and physical science.

d. *Language arts concentration.* The language arts concentration requires 12 semester hours in language arts to include coursework in composition, language usage, speech, young adult literature, and literature across cultures.

282—13.28(272) Minimum content requirements for teaching endorsements.

13.28(1) Agriculture. 5-12. Completion of 24 semester hours in agriculture to include coursework in agronomy, animal science, agricultural mechanics, and agricultural economics.

13.28(2) Art. K-8 or 5-12. Completion of 24 semester hours in art to include coursework in art history, studio art, and two- and three-dimensional art.

13.28(3) Business—all. 5-12. Completion of 30 semester hours in business to include 6 semester hours in accounting, 3 semester hours in business law to include contract law, 3 semester hours in computer and technical applications in business, 6 semester hours in marketing to include consumer studies, 3 semester hours in management, 6 semester hours in economics, and 3 semester hours in business communications to include formatting, language usage, and oral presentation. Coursework in entrepreneurship and in financial literacy may be a part of, or in addition to, the coursework listed above. Individuals who were licensed in Iowa prior to October 1, 1988, and were allowed to teach marketing without completing the endorsement requirements must complete the endorsement requirements by July 1, 2010, in order to teach or continue to teach marketing. A waiver provision is available through the board of educational examiners for individuals who have been successfully teaching marketing.

13.28(4) Driver education. 5-12. Completion of 9 semester hours in driver education to include coursework in accident prevention that includes drug and alcohol abuse; vehicle safety; and behind-the-wheel driving.

13.28(5) English/language arts.

a. K-8. Completion of 24 semester hours in English and language arts to include coursework in oral communication, written communication, language development, reading, children’s literature, creative drama or oral interpretation of literature, and American literature.

b. 5-12. Completion of 24 semester hours in English to include coursework in oral communication, written communication, language development, reading, American literature, English literature and adolescent literature.

13.28(6) Language arts. 5-12. Completion of 40 semester hours in language arts to include coursework in the following areas:

a. *Written communication.*

(1) Develops a wide range of strategies and appropriately uses writing process elements (e.g., brainstorming, free-writing, first draft, group response, continued drafting, editing, and self-reflection) to communicate with different audiences for a variety of purposes.

(2) Develops knowledge of language structure (e.g., grammar), language conventions (e.g., spelling and punctuation), media techniques, figurative language and genre to create, critique, and discuss print and nonprint texts.

b. Oral communication.

(1) Understands oral language, listening, and nonverbal communication skills; knows how to analyze communication interactions; and applies related knowledge and skills to teach students to become competent communicators in varied contexts.

(2) Understands the communication process and related theories, knows the purpose and function of communication and understands how to apply this knowledge to teach students to make appropriate and effective choices as senders and receivers of messages in varied contexts.

c. Language development.

(1) Understands inclusive and appropriate language, patterns and dialects across cultures, ethnic groups, geographic regions and social roles.

(2) Develops strategies to improve competency in the English language arts and understanding of content across the curriculum for students whose first language is not English.

d. Young adult literature, American literature, and world literature.

(1) Reads, comprehends, and analyzes a wide range of texts to build an understanding of self as well as the cultures of the United States and the world in order to acquire new information, to respond to the needs and demands of society and the workplace, and for personal fulfillment. Among these texts are fiction and nonfiction, graphic novels, classic and contemporary works, young adult literature, and nonprint texts.

(2) Reads a wide range of literature from many periods in many genres to build an understanding of the many dimensions (e.g., philosophical, ethical, aesthetic) of human experience.

(3) Applies a wide range of strategies to comprehend, interpret, evaluate, and appreciate texts. Draws on prior experience, interactions with other readers and writers, knowledge of word meaning and of other texts, word identification strategies, and an understanding of textual features (e.g., sound-letter correspondence, sentence structure, context, graphics).

(4) Participates as a knowledgeable, reflective, creative, and critical member of a variety of literacy communities.

e. Creative voice.

(1) Understands the art of oral interpretation and how to provide opportunities for students to develop and apply oral interpretation skills in individual and group performances for a variety of audiences, purposes and occasions.

(2) Understands the basic skills of theatre production including acting, stage movement, and basic stage design.

f. Argumentation/debate.

(1) Understands concepts and principles of classical and contemporary rhetoric and is able to plan, prepare, organize, deliver and evaluate speeches and presentations.

(2) Understands argumentation and debate and how to provide students with opportunities to apply skills and strategies for argumentation and debate in a variety of formats and contexts.

g. Journalism.

(1) Understands ethical standards and major legal issues including First Amendment rights and responsibilities relevant to varied communication content. Utilizes strategies to teach students about the importance of freedom of speech in a democratic society and the rights and responsibilities of communicators.

(2) Understands the writing process as it relates to journalism (e.g., brainstorming, questioning, reporting, gathering and synthesizing information, writing, editing, and evaluating the final media product).

(3) Understands a variety of forms of journalistic writing (e.g., news, sports, features, opinion, Web-based) and the appropriate styles (e.g., Associated Press, multiple sources with attribution, punctuation) and additional forms unique to journalism (e.g., headlines, cutlines, and/or visual presentations).

h. Mass media production.

- (1) Understands the role of the media in a democracy and the importance of preserving that role.
- (2) Understands how to interpret and analyze various types of mass media messages in order for students to become critical consumers.
- (3) Develops the technological skills needed to package media products effectively using various forms of journalistic design with a range of visual and auditory methods.

i. Reading strategies (if not completed as part of the professional education core requirements).

- (1) Uses a variety of skills and strategies to comprehend and interpret complex fiction, nonfiction and informational text.
- (2) Reads for a variety of purposes and across content areas.

13.28(7) Foreign language. K-8 and 5-12. Completion of 24 semester hours in each foreign language for which endorsement is sought.

13.28(8) Health. K-8 and 5-12. Completion of 24 semester hours in health to include coursework in public or community health, consumer health, substance abuse, family life education, mental/emotional health, and human nutrition.

13.28(9) Family and consumer sciences—general. 5-12. Completion of 24 semester hours in family and consumer sciences to include coursework in human development, parenthood education, family studies, consumer resource management, textiles and apparel, housing, and foods and nutrition.

13.28(10) Industrial technology. 5-12. Completion of 24 semester hours in industrial technology to include coursework in manufacturing, construction, energy and power, graphic communications and transportation. The coursework is to include at least 6 semester hours in three different areas.

13.28(11) Journalism. 5-12. Completion of 15 semester hours in journalism to include coursework in writing, editing, production and visual communications.

13.28(12) Mathematics.

a. K-8. Completion of 24 semester hours in mathematics to include coursework in algebra, geometry, number theory, measurement, computer programming, and probability and statistics.

b. 5-12. Completion of 24 semester hours in mathematics to include a linear algebra or an abstract (modern) algebra course, a geometry course, a two-course sequence in calculus, a computer programming course, a probability and statistics course, and coursework in discrete mathematics.

13.28(13) Music.

a. K-8. Completion of 24 semester hours in music to include coursework in music theory (at least two courses), music history, and applied music.

b. 5-12. Completion of 24 semester hours in music to include coursework in music theory (at least two courses), music history (at least two courses), applied music, and conducting.

13.28(14) Physical education.

a. K-8. Completion of 24 semester hours in physical education to include coursework in human anatomy, human physiology, movement education, adapted physical education, physical education in the elementary school, human growth and development of children related to physical education, and first aid and emergency care.

b. 5-12. Completion of 24 semester hours in physical education to include coursework in human anatomy, kinesiology, human physiology, human growth and development related to maturational and motor learning, adapted physical education, curriculum and administration of physical education, assessment processes in physical education, and first aid and emergency care.

13.28(15) Reading.

a. K-8 requirements. Completion of 24 semester hours in reading to include all of the following requirements:

- (1) Foundations of reading. This requirement includes the following competencies:
 1. The practitioner demonstrates knowledge of the psychological, sociocultural, and linguistic foundations of reading and writing processes and instruction.
 2. The practitioner demonstrates knowledge of a range of research pertaining to reading, writing, and learning, including scientifically based reading research, and knowledge of histories of reading.

The range of research encompasses research traditions from the fields of the social sciences and other paradigms appropriate for informing practice.

3. The practitioner demonstrates knowledge of the major components of reading, such as phonemic awareness, word identification, phonics, vocabulary, fluency, and comprehension, and effectively integrates curricular standards with student interests, motivation, and background knowledge.

(2) Reading in the content areas. This requirement includes the following competencies:

1. The practitioner demonstrates knowledge of text structure and the dimensions of content area vocabulary and comprehension, including literal, interpretive, critical, and evaluative.

2. The practitioner provides content area instruction in reading and writing that effectively uses a variety of research-based strategies and practices.

(3) Practicum. This requirement includes the following competencies:

1. The practitioner works with licensed professionals who observe, evaluate, and provide feedback on the practitioner's knowledge, dispositions, and performance of the teaching of reading and writing.

2. The practitioner effectively uses reading and writing strategies, materials, and assessments based upon appropriate reading and writing research and works with colleagues and families in the support of children's reading and writing development.

(4) Language development. This requirement includes the following competency: The practitioner uses knowledge of language development and acquisition of reading skills (birth through sixth grade), and the variations related to cultural and linguistic diversity to provide effective instruction in reading and writing.

(5) Oral communication. This requirement includes the following competencies:

1. The practitioner has knowledge of the unique needs and backgrounds of students with language differences and delays.

2. The practitioner uses effective strategies for facilitating the learning of Standard English by all learners.

(6) Written communication. This requirement includes the following competency: The practitioner uses knowledge of reading-writing-speaking connections; the writing process; the stages of spelling development; the different types of writing, such as narrative, expressive, persuasive, informational and descriptive; and the connections between oral and written language development to effectively teach writing as communication.

(7) Reading assessment, diagnosis and evaluation. This requirement includes the following competencies:

1. The practitioner uses knowledge of a variety of instruments, procedures, and practices that range from individual to group and from formal to informal to alternative for the identification of students' reading proficiencies and needs, for planning and revising instruction for all students, and for communicating the results of ongoing assessments to all stakeholders.

2. The practitioner demonstrates awareness of policies and procedures related to special programs, including Title I.

(8) Children's nonfiction and fiction. This requirement includes the following competency: The practitioner uses knowledge of children's literature for:

1. Modeling the reading and writing of varied genres, including fiction and nonfiction; technology- and media-based information; and nonprint materials;

2. Motivating through the use of texts at multiple levels, representing broad interests, and reflecting varied cultures, linguistic backgrounds, and perspectives; and

3. Matching text complexities to the proficiencies and needs of readers.

(9) Reading instructional strategies. This requirement includes the following competency: The practitioner uses knowledge of a range of research-based strategies and instructional technology for designing and delivering effective instruction across the curriculum, for grouping students, and for selecting materials appropriate for learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds.

b. 5-12 requirements. Completion of 24 semester hours in reading to include all of the following requirements:

- (1) Foundations of reading. This requirement includes the following competencies:
 1. The practitioner demonstrates knowledge of the psychological, sociocultural, and linguistic foundations of reading and writing processes and instruction.
 2. The practitioner demonstrates knowledge of a range of research pertaining to reading, writing, and learning, including scientifically based reading research, and knowledge of histories of reading. The range of research encompasses research traditions from the fields of the social sciences and other paradigms appropriate for informing practice.
 3. The practitioner demonstrates knowledge of the major components of reading such as phonemic awareness, word identification, phonics, vocabulary, fluency, and comprehension, and integrates curricular standards with student interests, motivation, and background knowledge.
- (2) Reading in the content areas. This requirement includes the following competencies:
 1. The practitioner demonstrates knowledge of text structure and the dimensions of content area vocabulary and comprehension, including literal, interpretive, critical, and evaluative.
 2. The practitioner provides content area instruction in reading and writing that effectively uses a variety of research-based strategies and practices.
- (3) Practicum. This requirement includes the following competencies:
 1. The practitioner works with licensed professionals who observe, evaluate, and provide feedback on the practitioner's knowledge, dispositions, and performance of the teaching of reading and writing.
 2. The practitioner effectively uses reading and writing strategies, materials, and assessments based upon appropriate reading and writing research, and works with colleagues and families in the support of students' reading and writing development.
- (4) Language development. This requirement includes the following competency: The practitioner uses knowledge of the relationship of language acquisition and language development with the acquisition and development of reading skills, and the variations related to cultural and linguistic diversity to provide effective instruction in reading and writing.
- (5) Oral communication. This requirement includes the following competency: The practitioner demonstrates knowledge of the unique needs and backgrounds of students with language differences and uses effective strategies for facilitating the learning of Standard English by all learners.
- (6) Written communication. This requirement includes the following competency: The practitioner uses knowledge of reading-writing-speaking connections to teach the skills and processes necessary for writing narrative, expressive, persuasive, informational, and descriptive texts, including text structures and mechanics such as grammar, usage, and spelling.
- (7) Reading assessment, diagnosis and evaluation. This requirement includes the following competencies:
 1. The practitioner uses knowledge of a variety of instruments, procedures, and practices that range from individual to group and from formal to informal to alternative for the identification of students' reading proficiencies and needs, for planning and revising instruction for all students, and for communicating the results of ongoing assessments to all stakeholders.
 2. The practitioner demonstrates awareness of policies and procedures related to special programs.
- (8) Adolescent or young adult nonfiction and fiction. This requirement includes the following competency: The practitioner uses knowledge of adolescent or young adult literature for:
 1. Modeling the reading and writing of varied genres, including fiction and nonfiction; technology and media-based information; and nonprint materials;
 2. Motivating through the use of texts at multiple levels, representing broad interests, and reflecting varied cultures, linguistic backgrounds and perspectives; and
 3. Matching text complexities to the proficiencies and needs of readers.
- (9) Reading instructional strategies. This requirement includes the following competency: The practitioner uses knowledge of a range of research-based strategies and instructional technology for designing and delivering instruction across the curriculum, for grouping students, and for selecting materials appropriate for learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds.

13.28(16) Reading specialist. K-12. The applicant must have met the requirements for the standard license and a teaching endorsement, and present evidence of at least one year of experience which included the teaching of reading as a significant part of the responsibility.

a. Authorization. The holder of this endorsement is authorized to serve as a reading specialist in kindergarten and grades one through twelve.

b. Program requirements. Degree—master's.

c. Content. Completion of a sequence of courses and experiences which may have been a part of, or in addition to, the degree requirements. This sequence is to be at least 27 semester hours to include the following:

- (1) Educational psychology/human growth and development.
- (2) Educational measurement and evaluation.
- (3) Foundations of reading.
- (4) Diagnosis of reading problems.
- (5) Remedial reading.
- (6) Psychology of reading.
- (7) Language learning and reading disabilities.
- (8) Practicum in reading.
- (9) Administration and supervision of reading programs at the elementary and secondary levels.

13.28(17) Science.

a. Science—basic. K-8.

(1) Required coursework. Completion of at least 24 semester hours in science to include 12 hours in physical sciences, 6 hours in biology, and 6 hours in earth/space sciences.

(2) Competencies.

1. Understand the nature of scientific inquiry, its central role in science, and how to use the skills and processes of scientific inquiry.

2. Understand the fundamental facts and concepts in major science disciplines.

3. Be able to make conceptual connections within and across science disciplines, as well as to mathematics, technology, and other school subjects.

4. Be able to use scientific understanding when dealing with personal and societal issues.

b. Biological science. 5-12. Completion of 24 semester hours in biological science or 30 semester hours in the broad area of science to include 15 semester hours in biological science.

c. Chemistry. 5-12. Completion of 24 semester hours in chemistry or 30 semester hours in the broad area of science to include 15 semester hours in chemistry.

d. Earth science. 5-12. Completion of 24 semester hours in earth science or 30 semester hours in the broad area of science to include 15 semester hours in earth science.

e. General science. 5-12. Completion of 24 semester hours in science to include coursework in biological science, chemistry, and physics.

f. Physical science. 5-12. Completion of 24 semester hours in physical sciences to include coursework in physics, chemistry, and earth science.

g. Physics. 5-12. Completion of 24 semester hours in physics or 30 semester hours in the broad area of science to include 15 semester hours in physics.

h. All science I. 5-8. The holder of this endorsement must also hold the middle school endorsement listed under rule 282—13.27(272).

(1) Required coursework. Completion of at least 24 semester hours in science to include 6 hours in chemistry, 6 hours in physics or physical sciences, 6 hours in biology, and 6 hours in the earth/space sciences.

(2) Competencies.

1. Understand the nature of scientific inquiry, its central role in science, and how to use the skills and processes of scientific inquiry.

2. Understand the fundamental facts and concepts in major science disciplines.

3. Be able to make conceptual connections within and across science disciplines, as well as to mathematics, technology, and other school subjects.

4. Be able to use scientific understanding when dealing with personal and societal issues.
 - i. *All science II.* 9-12.
 - (1) Required coursework.
 1. Completion of one of the following endorsement areas listed under subrule 13.28(17): biological science 5-12 or chemistry 5-12 or earth science 5-12 or physics 5-12.
 2. Completion of at least 12 hours in each of the other three endorsement areas.
 - (2) Competencies.
 1. Understand the nature of scientific inquiry, its central role in science, and how to use the skills and processes of scientific inquiry.
 2. Understand the fundamental facts and concepts in major science disciplines.
 3. Be able to make conceptual connections within and across science disciplines, as well as to mathematics, technology, and other school subjects.
 4. Be able to use scientific understanding when dealing with personal and societal issues.
- 13.28(18) Social sciences.**
- a. *American government.* 5-12. Completion of 24 semester hours in American government or 30 semester hours in the broad area of social sciences to include 15 semester hours in American government.
 - b. *American history.* 5-12. Completion of 24 semester hours in American history or 30 semester hours in the broad area of social sciences to include 15 semester hours in American history.
 - c. *Anthropology.* 5-12. Completion of 24 semester hours in anthropology or 30 semester hours in the broad area of social sciences to include 15 semester hours in anthropology.
 - d. *Economics.* 5-12. Completion of 24 semester hours in economics or 30 semester hours in the broad area of social sciences to include 15 semester hours in economics, or 30 semester hours in the broad area of business to include 15 semester hours in economics.
 - e. *Geography.* 5-12. Completion of 24 semester hours in geography or 30 semester hours in the broad area of social sciences to include 15 semester hours in geography.
 - f. *History.* K-8. Completion of 24 semester hours in history to include at least 9 semester hours in American history and 9 semester hours in world history.
 - g. *Psychology.* 5-12. Completion of 24 semester hours in psychology or 30 semester hours in the broad area of social sciences to include 15 semester hours in psychology.
 - h. *Social studies.* K-8. Completion of 24 semester hours in social studies, to include coursework from at least three of these areas: history, sociology, economics, American government, psychology and geography.
 - i. *Sociology.* 5-12. Completion of 24 semester hours in sociology or 30 semester hours in the broad area of social sciences to include 15 semester hours in sociology.
 - j. *World history.* 5-12. Completion of 24 semester hours in world history or 30 semester hours in the broad area of social sciences to include 15 semester hours in world history.
 - k. *All social sciences.* 5-12. Completion of 51 semester hours in the social sciences to include 9 semester hours in each of American and world history, 9 semester hours in government, 6 semester hours in sociology, 6 semester hours in psychology other than educational psychology, 6 semester hours in geography, and 6 semester hours in economics.
- 13.28(19) Speech communication/theatre.**
- a. K-8. Completion of 20 semester hours in speech communication/theatre to include coursework in speech communication, creative drama or theatre, and oral interpretation.
 - b. 5-12. Completion of 24 semester hours in speech communication/theatre to include coursework in speech communication, oral interpretation, creative drama or theatre, argumentation and debate, and mass media communication.
- 13.28(20) English as a second language (ESL).** K-12.
- a. *Authorization.* The holder of this endorsement is authorized to teach English as a second language in kindergarten and grades one through twelve.
 - b. *Program requirements.*
 - (1) Degree—baccalaureate, and
 - (2) Completion of an approved human relations program, and

(3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content. Completion of 18 semester hours of coursework in English as a second language to include the following:

(1) Knowledge of pedagogy to include the following:

1. Methods and curriculum to include the following:

- Bilingual and ESL methods.
 - Literacy in native and second language.
 - Methods for subject matter content.
 - Adaptation and modification of curriculum.
2. Assessment to include language proficiency and academic content.

(2) Knowledge of linguistics to include the following:

1. Psycholinguistics and sociolinguistics.
2. Language acquisition and proficiency to include the following:
- Knowledge of first and second language proficiency.
 - Knowledge of first and second language acquisition.
 - Language to include structure and grammar of English.

(3) Knowledge of cultural and linguistic diversity to include the following:

1. History.
2. Theory, models, and research.
3. Policy and legislation.
- (4) Current issues with transient populations.

d. Other. Individuals who were licensed in Iowa prior to October 1, 1988, and were allowed to teach English as a second language without completing the endorsement requirements must complete the endorsement requirements by July 1, 2012, in order to teach or continue to teach English as a second language. A waiver provision is available through the board of educational examiners for individuals who have been successfully teaching English as a second language.

13.28(21) Elementary school teacher librarian.

a. Authorization. The holder of this endorsement is authorized to serve as a teacher librarian in kindergarten and grades one through eight.

b. Program requirements.

- (1) Degree—baccalaureate.
- (2) Completion of an approved human relations program.
- (3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content. Completion of 24 semester hours in school library coursework to include the following:

- (1) Knowledge of materials and literature in all formats for elementary children.
- (2) Selection, utilization and evaluation of library resources and equipment.
- (3) Design and production of instructional materials.
- (4) Acquisition, cataloging and classification of library materials.
- (5) Information literacy, reference services and networking.
- (6) Planning, evaluation and administration of school library programs.
- (7) Practicum in an elementary school media center/library.

13.28(22) Secondary school teacher librarian.

a. Authorization. The holder of this endorsement is authorized to serve as a teacher librarian in grades five through twelve.

b. Program requirements.

- (1) Degree—baccalaureate.
- (2) Completion of an approved human relations program.
- (3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content. Completion of 24 semester hours in school library coursework to include the following:

- (1) Knowledge of materials and literature in all formats for adolescents.

- (2) Selection, utilization and evaluation of library resources and equipment.
- (3) Design and production of instructional materials.
- (4) Acquisition, cataloging and classification of library materials.
- (5) Information literacy, reference services and networking.
- (6) Planning, evaluation and administration of school library programs.
- (7) Practicum in a secondary school media center/library.

13.28(23) School teacher librarian. K-12.

a. Authorization. The holder of this endorsement is authorized to serve as a teacher librarian in kindergarten and grades one through twelve. The applicant must be the holder of or eligible for the initial license.

b. Program requirements. Degree—master's.

c. Content. Completion of a sequence of courses and experiences which may have been part of, or in addition to, the degree requirements. This sequence is to be at least 30 semester hours in school library coursework, to include the following:

- (1) Planning, evaluation and administration of school library programs.
- (2) Curriculum development and teaching and learning strategies.
- (3) Instructional development and communication theory.
- (4) Selection, evaluation and utilization of library resources and equipment.
- (5) Acquisition, cataloging and classification of library materials.
- (6) Design and production of instructional materials.
- (7) Methods for instruction and integration of information literacy skills into the school curriculum.
- (8) Information literacy, reference services and networking.
- (9) Knowledge of materials and literature in all formats for elementary children and adolescents.
- (10) Reading, listening and viewing guidance.
- (11) Utilization and application of computer technology.
- (12) Practicum at both the elementary and secondary levels.
- (13) Research in library and information science.

13.28(24) Talented and gifted teacher.

a. Authorization. The holder of this endorsement is authorized to serve as a teacher or a coordinator of programs for the talented and gifted from the prekindergarten level through grade twelve. This authorization does not permit general classroom teaching at any level except that level or area for which the holder is eligible or holds the specific endorsement.

b. Program requirements—content. Completion of 12 undergraduate or graduate semester hours of coursework in the area of the talented and gifted to include the following:

- (1) Psychology of the gifted.
 1. Social needs.
 2. Emotional needs.
- (2) Programming for the gifted.
 1. Prekindergarten-12 identification.
 2. Differentiation strategies.
 3. Collaborative teaching skills.
 4. Program goals and performance measures.
 5. Program evaluation.
- (3) Practicum experience in gifted programs.

NOTE: Teachers in specific subject areas will not be required to hold this endorsement if they teach gifted students in their respective endorsement areas.

c. Other. Individuals who were licensed in Iowa prior to August 31, 1995, and were allowed to teach talented and gifted classes without completing the endorsement requirements must complete the endorsement requirements by July 1, 2012, in order to teach or continue to teach talented and gifted classes. A waiver provision is provided through the board of educational examiners for individuals who have been successfully teaching students who are talented and gifted.

13.28(25) American Sign Language endorsement.

a. Authorization. The holder of this endorsement is authorized to teach American Sign Language in kindergarten and grades one through twelve.

b. Program requirements.

- (1) Degree—baccalaureate.
- (2) Completion of an approved human relations program.
- (3) Completion of the professional education core.

c. Content. Completion of 18 semester hours of coursework in American Sign Language to include the following:

- (1) Second language acquisition.
- (2) Sociology of the deaf community.
- (3) Linguistic structure of American Sign Language.
- (4) Language teaching methodology specific to American Sign Language.
- (5) Teaching the culture of deaf people.
- (6) Assessment of students in an American Sign Language program.

d. Other. Be the holder of or be eligible for one other teaching endorsement listed in rules 282—13.26(272) and 282—13.27(272) and this rule.

13.28(26) Elementary counselor. Rescinded IAB 7/29/09, effective 9/2/09.

13.28(27) Secondary counselor. Rescinded IAB 7/29/09, effective 9/2/09.

13.28(28) School nurse endorsement. The school nurse endorsement does not authorize general classroom teaching, although it does authorize the holder to teach health at all grade levels. Alternatively, a nurse may obtain a statement of professional recognition (SPR) from the board of educational examiners, in accordance with the provisions set out in 282—Chapter 16, Statements of Professional Recognition (SPR).

a. Authorization. The holder of this endorsement is authorized to provide service as a school nurse at the prekindergarten and kindergarten levels and in grades one through twelve.

b. Program requirements.

- (1) Degree—baccalaureate, and
- (2) Completion of an approved human relations program, and
- (3) Completion of the professional education core. See subrules 13.18(3) and 13.18(4).

c. Content.

- (1) Organization and administration of school nurse services including the appraisal of the health needs of children and youth.
- (2) School-community relationships and resources/coordination of school and community resources to serve the health needs of children and youth.
- (3) Knowledge and understanding of the health needs of exceptional children.
- (4) Health education.

d. Other. Hold a license as a registered nurse issued by the Iowa board of nursing.

13.28(29) Athletic coach. K-12. An applicant for the coaching endorsement must hold a teacher's license with one of the teaching endorsements.

a. Authorization. The holder of this endorsement may serve as a head coach or an assistant coach in kindergarten and grades one through twelve.

b. Program requirements.

- (1) One semester hour college or university course in the structure and function of the human body in relation to physical activity, and
- (2) One semester hour college or university course in human growth and development of children and youth as related to physical activity, and
- (3) Two semester hour college or university course in athletic conditioning, care and prevention of injuries and first aid as related to physical activity, and
- (4) One semester hour college or university course in the theory of coaching interscholastic athletics.

[ARC 7986B, IAB 7/29/09, effective 9/2/09; ARC 8248B, IAB 11/4/09, effective 10/12/09]

282—13.29(272) Adding, removing or reinstating a teaching endorsement.

13.29(1) Adding an endorsement. After the issuance of a teaching license, an individual may add other endorsements to that license upon proper application, provided current requirements for that endorsement have been met. An updated license with expiration date unchanged from the original or renewed license will be prepared.

a. Options. To add an endorsement, the applicant must follow one of these options:

(1) Option 1. Receive the Iowa teacher education institution's recommendation that the current approved program requirements for the endorsement have been met.

(2) Option 2. Receive verification from the Iowa teacher education institution that the minimum state requirements for the endorsement have been met in lieu of the institution's approved program.

(3) Option 3. Receive verification from a state-approved and regionally accredited institution that the Iowa minimum requirements for the endorsement have been met.

(4) Option 4. Apply for a review of the transcripts by the board of educational examiners' staff to determine if all Iowa requirements have been met. The applicant must submit documentation that all of the Iowa requirements have been met by filing transcripts and supporting documentation for review. The fee for the transcript evaluation is in 282—Chapter 12. This fee shall be in addition to the fee for adding the endorsement.

b. Additional requirements for adding an endorsement.

(1) In addition to meeting the requirements listed in rules 282—13.18(272) and 282—13.28(272), applicants for endorsements shall have completed a methods class appropriate for teaching the general subject area of the endorsement added.

(2) Practitioners who are adding an elementary or early childhood endorsement and have not student taught on the elementary or early childhood level shall complete a teaching practicum appropriate for teaching at the level of the new endorsement.

(3) Practitioners who are adding a secondary teaching endorsement and have not student taught on the secondary level shall complete a teaching practicum appropriate for teaching at the level of the new endorsement.

(4) Practitioners holding the K-8 endorsement in the content area of the 5-12 endorsement being added may satisfy the requirement for the secondary methods class and the teaching practicum by completing all required coursework and presenting verification of competence. This verification of competence shall be signed by a licensed evaluator who has observed and formally evaluated the performance of the applicant at the secondary level. This verification of competence may be submitted at any time during the term of the Class B license. The practitioner must obtain a Class B license while practicing with the 5-12 endorsement.

13.29(2) Removal of an endorsement; reinstatement of removed endorsement.

a. Removal of an endorsement. A practitioner may remove an endorsement from the practitioner's license as follows:

(1) To remove an endorsement, the practitioner shall meet the following conditions:

1. A practitioner who holds a standard or master educator license is eligible to request removal of an endorsement from the license if the practitioner has not taught in the subject or assignment area of the endorsement in the five years prior to the request for removal of the endorsement, and

2. The practitioner must submit a notarized written application form furnished by the board of educational examiners to remove an endorsement at the time of licensure renewal (licensure renewal is limited to one calendar year prior to the expiration date of the current license), and

3. The application must be signed by the superintendent or designee in the district in which the practitioner is under contract. The superintendent's signature shall serve as notification and acknowledgment of the practitioner's intent to remove an endorsement from the practitioner's license. The absence of the superintendent's or designee's signature does not impede the removal process.

(2) The endorsement shall be removed from the license at the time of application.

(3) If a practitioner is not employed and submits an application, the provisions of 13.29(2) "a"(1)"3" shall not be required.

(4) If a practitioner submits an application that does not meet the criteria listed in 13.29(2)“a”(1)“1” to “3,” the application will be rendered void and the practitioner will forfeit the processing fee.

(5) The executive director has the authority to approve or deny the request for removal. Any denial is subject to the appeal process set forth in rule 282—11.35(272).

b. Reinstatement of a removed endorsement.

(1) If the practitioner wants to add the removed endorsement at a future date, all coursework for the endorsement must be completed within the five years preceding the application to add the endorsement.

(2) The practitioner must meet the current endorsement requirements when making application.

[ARC 8248B, IAB 11/4/09, effective 10/12/09]

282—13.30(272) Licenses—issue dates, corrections, duplicates, and fraud.

13.30(1) Issue date on original license. A license is valid only from and after the date of issuance.

13.30(2) Correcting licenses. If a licensee notifies board staff of a typographical or clerical error on the license within 30 days of the date of the board’s mailing of a license, a corrected license shall be issued without charge to the licensee. If notification of a typographical or clerical error is made more than 30 days after the date of the board’s mailing of a license, a corrected license shall be issued upon receipt of the fee for issuance of a duplicate license. For purposes of this rule, typographical or clerical errors include misspellings, errors in the expiration date of a license, errors in the type of license issued, and the omission or misidentification of the endorsements for which application was made. A licensee requesting the addition of an endorsement not included on the initial application must submit a new application and the appropriate application fee.

13.30(3) Duplicate licenses. Upon application and payment of the fee set out in 282—Chapter 12, a duplicate license shall be issued.

13.30(4) Fraud in procurement or renewal of licenses. Fraud in procurement or renewal of a license or falsifying records for licensure purposes will constitute grounds for filing a complaint with the board of educational examiners.

These rules are intended to implement Iowa Code chapter 272.

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