

282—14.2 (272) Specific requirements. For each of the following teaching endorsements in special education, the applicant must have completed 24 semester hours in special education.

14.2(1) *Early childhood—special education.*

a. This endorsement authorizes instruction at the PK-K level only for instructional special education programs without regard to the instructional model.

b. The applicant must present evidence of having completed the following program requirements.

(1) Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

(2) Characteristics of learners. Preparation which includes an overview of current trends in educational programming and theories of child development, both typical and atypical; the identification of pre-, peri-, and postnatal development and factors that affect children's development and learning. Identification of specific disabilities, including the etiology, characteristics, and classification of common disabilities in young children. Application of the knowledge of cultural and linguistic diversity and the significant sociocultural context for the development of and learning in young children.

(3) Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions. Assess children's cognitive, social-emotional, communication, motor, adaptive, and aesthetic development; and select, adapt, and administer assessment instruments and procedures for specific sensory and motor disabilities.

(4) Methods and strategies. Methods and strategies which include numerous models to plan and implement appropriate curricular and instructional practices based on knowledge of individual children, the family, the community, and curricular goals and content. Select intervention curricula and methods for children with specific disabilities including motor, sensory, health, communication, social-emotional and cognitive disabilities. Implement developmentally and functionally appropriate individual and group activities using a variety of formats; develop and implement an integrated curriculum that focuses on special education children from birth to age six, and incorporate information and strategies from multiple disciplines in the design of intervention strategies. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques, including appropriate assistive technology. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction.

(5) Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

(6) Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

(7) Student teaching. Student teaching in a PK-K special education program.

14.2(2) Instructional strategist I: mild and moderate.

a. Option 1—K-8 mild and moderate. This endorsement authorizes instruction in all K-8 mild and moderate instructional special education programs without regard to the instructional model. An applicant for this option must complete the following requirement and must hold a regular education endorsement. See rule 282—13.26(272). The applicant must present evidence of having completed the following program requirements.

(1) Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

(2) Characteristics of learners. Preparation which includes various etiologies of mild and moderate disabilities, an overview of current trends in educational programming for mild and moderate disabilities, educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming, and includes the general developmental, academic, social, career and functional characteristics of individuals with mild and moderate disabilities as the characteristics relate to levels of instructional support required, and the psychological and social-emotional characteristics of individuals with mild and moderate disabilities.

(3) Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

(4) Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of the mildly and moderately disabled, and sources of curriculum materials for individuals with disabilities. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques, including appropriate assistive technology. The focus of these experiences is for students at the K-8 level. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction.

(5) Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

(6) Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

(7) Student teaching. Student teaching in a K-8 mild and moderate special education program.

b. Option 2—K-8 mild and moderate. To obtain this endorsement, the applicant must hold a valid Iowa license with either a K-8 or 5-12 special education instructional endorsement and must meet the following basic requirements in addition to those set out in paragraph 14.2(2) "a."

(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 rule 282—13.18(272).

- (2) Methods and materials for teaching elementary language arts.
- (3) Remedial reading.
- (4) Elementary curriculum methods and material, unless completed as part of another elementary level endorsement program (e.g., rule 282—13.26(272) or a similar elementary endorsement program).
- (5) Methods and materials for teaching elementary mathematics.

c. Option 1—5-12 mild and moderate. This endorsement authorizes instruction in all 5-12 mild and moderate instructional special education programs without regard to the instructional model. An applicant for this option must complete the following requirements and must hold a regular education endorsement. See rule 282—13.28(272). The applicant must present evidence of having completed the following program requirements.

(1) Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

(2) Characteristics of learners. Preparation which includes various etiologies of mild and moderate disabilities, an overview of current trends in educational programming for mild and moderate disabilities, educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming, and includes the general developmental, academic, social, career and functional characteristics of individuals with mild and moderate disabilities as the characteristics relate to levels of instructional support required, and the psychological and social-emotional characteristics of individuals with mild and moderate disabilities.

(3) Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

(4) Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of the mildly and moderately disabled, and sources of curriculum materials for individuals with disabilities. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques, including appropriate assistive technology. The focus of these experiences is for students at the 5-12 level. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction.

(5) Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

(6) Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

(7) Transitional collaboration. Sources of services, organizations, and networks for individuals with mild and moderate disabilities, including career, vocational and transitional support to postschool settings with maximum opportunities for decision making and full participation in the community.

(8) Student teaching. Student teaching in a 5-12 mild and moderate special education program.

d. Option 2—5-12 mild and moderate. To obtain this endorsement, the applicant must hold a valid Iowa license with either a K-8 or 5-12 special education instructional endorsement and must meet the following basic requirements in addition to those set out in paragraph 14.2(2)“c.”

(1) Adolescent growth and development with emphasis on the emotional, physical, and mental characteristics of adolescent age children, unless completed as part of the professional education core. See rule 282—13.18(272).

(2) Adolescent reading or secondary content area reading.

(3) Secondary or adolescent reading diagnosis and remediation.

(4) Methods and materials for teaching adolescents with mathematics difficulties or mathematics for the secondary level special education teacher.

(5) Secondary methods unless completed as part of the professional education core. See 282—paragraph 13.18(4)“l.”

14.2(3) Instructional strategist II: behavior disorders/learning disabilities. This endorsement authorizes instruction in programs serving students with behavior disorders and learning disabilities from age 5 to age 21 (and to a maximum allowable age in accordance with Iowa Code section 256B.8). The applicant must present evidence of having completed the following program requirements.

a. Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

b. Characteristics of learners. Preparation which includes various etiologies of behavior disorders and learning disabilities, an overview of current trends in educational programming for students with behavior disorders and learning disabilities, educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming from age 5 to age 21. Preparation in the social, emotional and behavioral characteristics of individuals with behavior disorders and learning disabilities including the impact of such characteristics on classroom learning as well as associated domains such as social functioning and at-risk behaviors which may lead to involvement with the juvenile justice or mental health system. Preparation in the psychological and social-emotional characteristics of individuals with behavior disorders and learning disabilities must include the major social characteristics of individuals with behavior disorders and the effects of dysfunctional behavior on learning, and the social and emotional aspects of individuals with learning disabilities including social imperceptiveness and juvenile delinquency. Physical development, physical disability and health impairments as they relate to the development and behavior of students with behavior disorders and the medical factors influencing individuals with learning disabilities, including intelligence, perception, memory and language development.

c. Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

d. Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of behavior and learning disabled students, and sources of curriculum materials for individuals with disabilities. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques, including appropriate assistive technology. The focus of these experiences is for students at all levels from age 5 to age 21. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction.

e. Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

f. Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

g. Transitional collaboration. Sources of services, organizations, and networks for individuals with behavior and learning disabilities, including career, vocational and transitional support to postsecondary settings with maximum opportunities for decision making and full participation in the community.

h. Student teaching. Student teaching in programs across the age levels of this endorsement. If the student teaching program has a unique age-level emphasis (e.g., K-8 or 5-12), there must be planned activities which incorporate interactive experiences at the other age level.

14.2(4) Instructional strategist II: mental disabilities. This endorsement authorizes instruction in programs serving students with mental disabilities from age 5 to age 21 (and to a maximum allowable age in accordance with Iowa Code section 256B.8). The applicant must present evidence of having completed the following program requirements.

a. Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

b. Characteristics of learners. Preparation which includes various etiologies of mental disabilities, an overview of current trends in educational programming for students with mental disabilities, educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming from age 5 to age 21. Preparation must also provide for an overview of the general developmental, academic, social, career and functional characteristics of individuals with mental disabilities as the characteristics relate to levels of instructional support required. This preparation must include the causes and theories of intellectual disabilities and implications and preventions; the psychological characteristics of students with mental and developmental disabilities, including cognition, perception, memory, and language development; medical complications and implications for student support needs, including seizure management, tube feeding, catheterization and CPR; and the medical aspects of intellectual disabilities and their implications for learning. The social-emotional aspects of mental disabilities, including adaptive behavior, social competence, social isolation and learned helplessness.

c. Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

d. Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of mentally disabled students, and sources of curriculum materials for individuals with disabilities. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques. The focus of these experiences is for students at all levels from age 5 to age 21. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and

nature of disability, and the integration of appropriate age- and ability-level academic instruction. Proficiency in adapting age-appropriate curriculum to facilitate instruction within the general education setting, to include partial participation of students in tasks, skills facilitation, collaboration, and support from peers with and without disabilities; the ability to select and use augmentative and alternative communications methods and systems. An understanding of the impact of speech-language development on behavior and social interactions. Approaches to create positive learning environments for individuals with special needs and approaches to utilize assistive devices for individuals with special needs. The design and implementation of age-appropriate instruction based on the adaptive skills of students with mental disabilities; integrate selected related services into the instructional day of students with mental disabilities. Knowledge of culturally responsive functional life skills relevant to independence in the community, personal living, and employment. Use of appropriate physical management techniques including positioning, handling, lifting, relaxation, and range of motion and the use and maintenance of orthotic, prosthetic, and adaptive equipment effectively.

e. Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with mental disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

f. Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

g. Transitional collaboration. Sources of services, organizations, and networks for individuals with mental disabilities, including career, vocational and transitional support to postschool settings with maximum opportunities for decision making and full participation in the community.

h. Student teaching. Student teaching in programs across the age levels of this endorsement. If the student teaching program has a unique age-level emphasis (e.g., K-8 or 5-12), there must be planned activities which incorporate interactive experiences at the other age level.

14.2(5) Instructional strategist II: physical disabilities. This endorsement authorizes instruction in programs serving students with physical disabilities from age 5 to age 21 (and to a maximum allowable age in accordance with Iowa Code section 256B.8). The applicant must present evidence of having completed the following program requirements.

a. Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, exceptional child, and including individuals from culturally and linguistically diverse backgrounds.

b. Characteristics of learners. Preparation which includes various etiologies and characteristics of physical disabilities across the life span, secondary health care issues that accompany specific physical disabilities, an overview of current trends in educational programming for students with physical disabilities, educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming from age 5 to age 21. Preparation must also provide for an overview of the general developmental, academic, social, career and functional characteristics of individuals with physical disabilities as the characteristics relate to levels of instructional support required.

c. Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any

specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

d. Methods and strategies.

(1) Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of physically disabled students, and sources of curriculum materials for individuals with disabilities. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with exceptional learning needs, and related instructional and remedial methods and techniques. The focus of these experiences is for students at all levels from age 5 to age 21. This preparation must include alternatives for teaching skills and strategies to individuals with disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction.

(2) Research-supported instructional practices, strategies, and adaptations necessary to accommodate the physical and communication characteristics of students with physical disabilities, including appropriate assistive technology and alternative positioning to permit students with physical disabilities full participation and access to the general curriculum as well as social environments. Design and implement an instructional program that addresses instruction in independent living skills, vocational skills, and career education for students with physical disabilities and instructional strategies for medical self-management procedures by students.

e. Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with physical disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

f. Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

g. Transitional collaboration. Sources of services, organizations, and networks for individuals with physical disabilities, including career, vocational and transitional support to postschool settings with maximum opportunities for decision making and full participation in the community.

h. Student teaching. Student teaching in programs across the age levels of this endorsement. If the student teaching program has a unique age-level emphasis (e.g., K-8 or 5-12), there must be planned activities which incorporate interactive experiences at the other age level.

14.2(6) K-8 mildly disabled endorsement. This endorsement authorizes instruction to mildly disabled children who require special education program adaptations while assigned to a regular classroom for basic instructional purposes, or mildly disabled students placed in a special education class who receive part of their instruction in a regular classroom, or mildly disabled students requiring specially designed instruction while assigned to a regular classroom for basic instructional purposes. To fulfill the requirements for this endorsement, the applicant must:

a. Hold a regular education instruction endorsement at the elementary level. For the elementary level, this is the general elementary classroom endorsement.

b. Hold one of the following endorsements at the elementary level: learning disabilities, mild to moderate mentally handicapped, behavioral disorders, multicategorical resource room or multicategorical-special class with integration.

14.2(7) 5-12 mildly disabled endorsement. This endorsement authorizes instruction to mildly disabled children who require special education program adaptations while assigned to a regular

classroom for basic instructional purposes, or mildly disabled students placed in a special education class who receive part of their instruction in a regular classroom, or mildly disabled students requiring specially designed instruction while assigned to a regular classroom for basic instructional purposes. To fulfill the requirements for this endorsement, the applicant must:

- a. Hold a regular education instruction endorsement at the secondary level (grades 5-12).
- b. Hold one of the following endorsements at the secondary level: learning disabilities, mild to moderate mentally handicapped, behavioral disorders, multicategorical resource room or multicategorical-special class with integration.

NOTE: These endorsements are designed for programs serving primarily mildly disabled students; the sensory impaired are not included as “mildly disabled.”

14.2(8) Deaf or hard of hearing endorsement.

a. *Option 1.* This endorsement authorizes instruction in programs serving students with hearing loss from birth to age 21 (and to a maximum allowable age in accordance with Iowa Code section 256B.8). An applicant for this option must complete the following requirements and must have completed an approved program in teaching the deaf or hard of hearing from a recognized Iowa or non-Iowa institution and must hold a regular education endorsement. See 282—Chapter 13.

(1) Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, and including individuals from culturally and linguistically diverse backgrounds.

(2) Characteristics of learners. Preparation which includes various etiologies of hearing loss, an overview of current trends in educational programming for students with hearing loss and educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming from birth to age 21. Preparation in the social, emotional and behavioral characteristics of individuals with hearing loss, including the impact of such characteristics on classroom learning. Knowledge of the anatomy and physiology of the hearing mechanism and knowledge of the development of secondary senses when hearing is impaired, effect of hearing loss on learning experiences, psychological aspects of hearing loss, and effects of medications on the hearing system. Preparation in the psychological and social-emotional characteristics of individuals with hearing loss to include the major social characteristics of individuals with hearing loss and the effects of this disability on learning, and the social and emotional aspects of individuals with hearing loss. Physical development and potential health impairments as they relate to the development and behavior of students with hearing loss. Components of linguistic and nonlinguistic communication used by individuals who are deaf or hard-of-hearing and communication modes used by and with individuals who are deaf or hard-of-hearing, including current theories of language development in individuals who are deaf or hard-of-hearing.

(3) Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities, including necessary alternative assessment techniques arising out of the nature of the disability and medical reports and other related diagnostic information. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

(4) Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of students who are deaf or hard-of-hearing and sources of specialized materials for individuals who are deaf or hard-of-hearing. These strategies must include knowledge of teaching academic subjects and language and speech to students who are deaf or hard-of-hearing and have knowledge of American Sign Language. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals who are deaf or hard-of-hearing, and related instructional and remedial methods and techniques, including appropriate assistive technology. The focus of these experiences is for students at all levels from birth to age 21. This preparation must include alternatives for teaching skills and strategies to

individuals who are deaf or hard-of-hearing who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction. Strategies for teaching technology skills and other instructional aids for students who are deaf or hard-of-hearing.

(5) Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

(6) Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities, including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

(7) Transitional collaboration. Sources of services, organizations, and networks for individuals who are deaf or hard-of-hearing, including career, vocational and transitional support to postschool settings with maximum opportunities for decision making and full participation in the community.

(8) Student teaching. Student teaching in programs across the age levels of this endorsement. If the student teaching program has a unique age-level emphasis (e.g., K-8 or 5-12), there must be planned activities which incorporate interactive experiences at the other age level.

b. Option 2. An applicant who holds an endorsement in deaf or hard of hearing issued in another state or who is eligible for such an endorsement but who does not also hold or is not eligible for a regular education endorsement in Iowa (see 282—Chapter 13) must meet the following basic requirements in addition to those set out in paragraph 14.2(8)“a.”

(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 282—Chapter 13.

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

(3) Methods and materials of teaching elementary reading.

(4) Elementary curriculum methods and materials unless completed as part of another elementary level endorsement program (e.g., rule 282—13.26(272) or a similar elementary endorsement program).

(5) Methods and materials of teaching elementary mathematics.

(6) Adolescent growth and development with emphasis on the emotional, physical, and mental characteristics of adolescent age children unless completed as part of the professional education core. See 282—subrule 13.18(4).

(7) Adolescent literacy or secondary content area reading.

(8) Secondary methods unless completed as part of the professional education core. See 282—paragraph 13.18(4)“l.”

14.2(9) Visually disabled endorsement.

a. Option 1. This endorsement authorizes instruction in programs serving students with visual disabilities from birth to age 21 (and to a maximum allowable age in accordance with Iowa Code section 256B.8). An applicant for this option must complete the following requirements and must have completed an approved program in visual disabilities from a recognized Iowa or non-Iowa institution and must hold a regular education endorsement. See 282—Chapter 13.

(1) Foundations of special education. The philosophical, historical and legal bases for special education, including the definitions and etiologies of individuals with disabilities, and including individuals from culturally and linguistically diverse backgrounds.

(2) Characteristics of learners. Preparation which includes various etiologies of visual impairment, an overview of current trends in educational programming for students with visual disabilities and educational alternatives and related services, and the importance of the multidisciplinary team in providing more appropriate educational programming from birth to age 21. Preparation in the social, emotional and behavioral characteristics of individuals with visual disabilities, including the impact of such characteristics on classroom learning. Development of the human visual system, development of secondary senses when vision is impaired, effect of visual disability on development, impact of visual disability on learning and experiences, psychological aspects of visual disability, and effects of medications on the visual system. Preparation in the psychological and social-emotional characteristics of individuals with visual disabilities to include the major social characteristics of individuals with visual disabilities and the effects of this disability on learning, and the social and emotional aspects of individuals with visual disabilities. Physical development and potential health impairments as they relate to the development and behavior of students with visual disabilities.

(3) Assessment, diagnosis and evaluation. Legal provisions, regulations and guidelines regarding unbiased assessment and use of psychometric instruments and instructional assessment measures with individuals with disabilities, including necessary alternative assessment techniques arising out of the nature of the disability and medical reports and other related diagnostic information. Application of assessment results to individualized program development and management, and the relationship between assessment and placement decisions. Knowledge of any specialized strategies such as functional behavioral assessment and any specialized terminology used in the assessment of various disabling conditions.

(4) Methods and strategies. Methods and strategies which include numerous models for providing curricular and instructional methodologies utilized in the education of visually disabled students and sources of curriculum materials for individuals with disabilities. These strategies must include knowledge of teaching Braille reading and writing, the skill in teaching handwriting and signature writing to individuals with low vision or who are blind, listening and compensatory auditory skills and typing and keyboarding skills. Curricula for the development of cognitive, academic, social, language and functional life skills for individuals with visual disabilities, and related instructional and remedial methods and techniques, including appropriate assistive technology. The focus of these experiences is for students at all levels from birth to age 21. This preparation must include alternatives for teaching skills and strategies to individuals with visual disabilities who differ in degree and nature of disability, and the integration of appropriate age- and ability-level academic instruction. Strategies for teaching technology skills, other instructional aids for visually disabled students, strategies for teaching organization and study skills, tactual and perceptual skills, adapted physical and recreational skills and strategies for promoting self-advocacy in individuals with visual disabilities and for structured pre-cane orientation and mobility assessment and instruction.

(5) Managing student behavior and social interaction skills. Preparation in individual behavioral management, behavioral change strategies, and classroom management theories, methods, and techniques for individuals with exceptional learning needs. Theories of behavior problems in individuals with disabilities and the use of nonaversive techniques for the purpose of controlling targeted behavior and maintaining attention of individuals with disabilities. Design, implement, and evaluate instructional programs that enhance an individual's social participation in family, school, and community activities.

(6) Communication and collaborative partnerships. Awareness of the sources of unique services, networks, and organizations for individuals with disabilities, including transitional support. Knowledge of family systems, family dynamics, parent rights, advocacy, multicultural issues, and communication to invite and appreciate many different forms of parent involvement. Strategies for working with regular classroom teachers, support services personnel, paraprofessionals, and other individuals involved in the educational program. Knowledge of the collaborative and consultative roles of special education teachers in the integration of individuals with disabilities into the general curriculum and classroom.

(7) Transitional collaboration. Sources of services, organizations, and networks for individuals with visual disabilities, including career, vocational and transitional support to postschool settings with maximum opportunities for decision making and full participation in the community.

(8) Student teaching. Student teaching in programs across the age levels of this endorsement. If the student teaching program has a unique age-level emphasis (e.g., K-8 or 5-12), there must be planned activities which incorporate interactive experiences at the other age level.

b. Option 2. An applicant who holds an endorsement for visually disabled issued in another state or who is eligible for such an endorsement but who does not also hold or is not eligible for a regular education endorsement in Iowa (see 282—Chapter 13) must meet the following basic requirements in addition to those set out in paragraph 14.2(9)“a.”

(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 282—Chapter 13.

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

(3) Methods and materials of teaching elementary reading.

(4) Elementary curriculum methods and materials unless completed as part of another elementary level endorsement program (e.g., rule 282—13.26(272) or a similar elementary endorsement program).

(5) Methods and materials of teaching elementary mathematics.

(6) Adolescent growth and development with emphasis on the emotional, physical, and mental characteristics of adolescent age children unless completed as part of the professional education core. See 282—subrule 13.18(4).

(7) Adolescent literacy or secondary content area reading.

(8) Secondary methods unless completed as part of the professional education core. See 282—paragraph 13.18(4)“l.”