

XXX.XX Health Sciences

XXX.XXA Grade Levels: 6-12

XXX.XXB Endorsement Type: Supplemental

This endorsement requires an applicant to hold, or earn concurrently, a subject or field endorsement in: Science, Biology, Health and Physical Education, Physical Education, Health Education, Agriculture, or Family and Consumer Science.

XXX.XXC Persons with this endorsement may teach and manage a Health Sciences career field and will be eligible for the Cooperative Education/Diversified Occupations endorsement.

XXX.XXD Certification Endorsement Requirements: This supplemental endorsement shall require a minimum of fifteen (15) semester hours of Health Science subject matter, including:

XXX.XXD1 A minimum of three (3) semester hours in principles/foundations of career education; and

XXX.XXD2 A minimum of six (6) semester hours which must include:

XXX.XXD2a A minimum of three (3) semester hours in human anatomy and/or human physiology; and

XXX.XXD2b A minimum of three (3) semester hours in one or more additional Health Science areas: medical terminology, exercise physiology, kinesiology, and public/community health; and

XXX.XXD3 A minimum of three (3) semester hours of career exploration, or independent work-based study in the Health Sciences industry under the direction of the college or university recommending the endorsement; and

XXX.XXD4 A minimum of three (3) semester hours in coursework designed to develop educator competencies including, but not limited to, student development, learning differences, learning environments, content knowledge and its application, classroom management, student assessment, planning for instruction, instructional strategies, collaboration, and ethical practice.

XXX.XXE Endorsement Program Requirements: Nebraska teacher education institutions offering this endorsement program must have on file, within the institution, a plan which identifies the courses and the course completion requirements which the institution utilizes to grant credit toward completion of this endorsement.

***THE FOLLOWING ARE RECOMMENDED GUIDELINES  
FOR INCLUSION AS PART OF THE INSTITUTION’S PLAN  
UNDER THIS ENDORSEMENT.***

Through the courses identified in its plan, the institution must provide Health Science teacher candidates with opportunities to demonstrate the knowledge and competencies required by the following guidelines:

**Standard 1. Content Knowledge**

Health Science candidates will have the knowledge and skills to deliver appropriate Health Science content knowledge to all students.

Health Science candidates will:

Element 1. Possess content knowledge upon which to build the Health Science curriculum.

Element 2. Apply knowledge of core academic areas (English Language Arts, Mathematics, Science, and Social Studies) within the Health Science curriculum.

Element 3. Incorporate an understanding of historical, current, and evolving domestic and global Health Science trends, including Health Science career possibilities and associated career preparation.

Element 4. Demonstrate knowledge of, and the ability to develop student skills for successful employment in the Health Science industry.

Element 5. Demonstrate knowledge of health and safety policies/guidelines, regulatory standards, legal and ethical practices, and safety procedures related to Health Science occupations.

**Standard 2. Pedagogical Knowledge and Skills**

Health Science candidates will have the appropriate pedagogical knowledge and skills to develop and deliver an effective Health Science curriculum to prepare students for entry-level positions in Health Science career settings.

Health Science candidates will:

Element 1. Plan and implement an effective Health Science program of study that aligns with the Nebraska Department of Education:

- a. Career and Technical Education Health Sciences Approved State Model Programs of Study;
- b. Nebraska College and Career Ready Practices; and
- c. Health Science Cluster and Pathway Standards.

Element 2. Design instructional methods and assessment tools using current and research-based strategies to advance learning.

Element 3. Plan, implement, assess, and reflect on instruction that promotes student engagement, builds sustained Health Science college and career readiness, and responds to diverse student needs.

Element 4. Recognize current healthcare and Allied Health resources and technology to manage instruction and to support student learning in the Health Science field.

### **Standard 3. Communication and Collaboration**

Health Science candidates will utilize effective communication and collaboration skills to enhance the Health Science curriculum by working with education and Health Science partners.

Health Science candidates will:

Element 1. Collaborate with secondary educational systems, post-secondary educational institutions, and/or medical profession partners in the development of an articulated curriculum.

Element 2. Collaborate with school personnel and Health Science industry representatives to provide instruction and field-based experiences in settings with qualified staff to support student learning.

Element 3. Collaborate with community-based advisory committees to support and enhance the Health Science program.

### **Standard 4. Professional Knowledge and Skills**

Health Science candidates will demonstrate attitudes, knowledge, skills and dispositions needed for success as a teacher in Health Science.

Health Science candidates will:

Element 1. Model legal/ethical practices, guidelines and procedures for Health Science.

Element 2. Identify concepts and strategies through Career Student Organizations (CSO) that assist students to be college and career ready.

- Element 3. Facilitate collaborative learning by working together in groups that may include students, teachers, business and industry leaders, and others.

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