Acceptable Areas of Coursework for Endorsements

- Must be 100-level or higher to be used toward an endorsement
- Must be passed with a grade of "C-" or higher
- Must be submitted on an official transcript from a regionally accredited college or institution
- Coursework in other content areas may be considered if subject is covered
- Pre-approved coursework can be found HERE

- **Agricultural Education:** Animal husbandry, agricultural machinery, agriculture management, agricultural marketing, agricultural mechanics, agricultural resources (agro-forestry, environmental protections, habitat), agricultural science, agronomy (crop production), animal science, conservation, horticulture, landscaping, occupational skills, plant management, and soil science.

- **Bilingual Education:** See Distribution

- **Business, Marketing, & Computer Education:** Accounting, advertising, business, business communications, business computer applications, business computer programming, business human resources, business law, business management/sport management, business math, business strategies, consumer economics, economics, entrepreneurship, finance, global management, international business, international trade, marketing, operations, organizational behavior, shorthand, statistics, and typing.

- **Business, Marketing, & Computer Programming:** Accounting, advertising, business, business communications, business computer applications, business computer programming, business human resources, business law, business management/sport management, business math, business strategies, consumer economics, economics, entrepreneurship, finance, global management, international business, international trade, marketing, operations, organizational behavior, shorthand, statistics, and typing.

    - 9 of the required 18 semester hours must be in any of the following*:* business computer programming, computer networking, operating systems, and database management with software information systems.

- **Computer Applications:** How to use a computer, how to use computer software products (such as Microsoft Word, Excel, or PowerPoint), computer hardware, internet, networking, technology, using computers in education, web page construction and maintenance, and all computer science (see Computer Science).

- **Computer Science:** Algorithms and data structures, principles, concepts, and methods of computing, problem solving in computing, programming techniques, and programming and computer languages. *Coursework in computer applications will not be applicable.*

- **Dance:** Choreography, dance history, dance production, dance styles (jazz, modern, tap, ballet, etc.), rhythm analysis, and dance methods.

- **Drama/Theatre Arts:** Acting, directing, drama, dramatic literature (contemporary and historic), play/theatre production, stage design, stage makeup, story- making and playwriting, theatre, voice and movement techniques.

- **Early Childhood Education applicable courses for the 32 semester hours required for the content knowledge short-term approval pathway (for individuals who <u>do not yet hold</u> a professional educator license) include**: history and philosophy of early childhood education, child growth and development, language acquisition and development, early childhood assessment, early childhood methods, primary level teaching methods and child, family and community courses, planning and assessment, methods and content pedagogy, literacy methods.

- **Early Childhood Education applicable courses for the 18-semester-hour early childhood education endorsement, or the 9-semester hour short-term approval (for individuals who <u>already hold</u> a professional educator license are listed below.** Coursework must be completed in each area to qualify for the endorsement. Coursework can be completed in any combination of the below areas to qualify for the short-term approval.
    - Child Growth and Development
    - Planning and Assessment (inclusive of or specific to early childhood education)
    - Methods and Content Pedagogy (inclusive of or specific to early childhood education)
    - Literacy Methods
    - Collaborative Relationships with Family or Communities

- **Elementary Education applicable courses for the 32 semester hours required for the content knowledge short-term approval pathway (for individuals who <u>do not yet hold</u> a professional educator license) include elementary education include:** elementary reading methods, elementary reading assessment, elementary content area reading, children's literature, elementary math methods, elementary science methods, elementary social science methods, a general elementary methods course, child growth and development, adolescent psychology, and history and philosophy of education, planning and assessment, methods and content pedagogy, literacy methods.

- **Elementary Education applicable courses for the 18-semester-hour elementary education endorsement, or the 9-semester hour short-term approval (for individuals who <u>already hold</u> a professional educator license are listed below.** Coursework must be completed in each area to qualify for the endorsement. Coursework can be completed in any combination of the below areas to qualify for the short-term approval.
    - Growth and Development
    - Planning and Assessment (inclusive of or specific to elementary education)

- Methods and Content Pedagogy (inclusive of or specific to elementary education)
- Literacy Methods

- **English Language Arts (Senior High):** ***English***: American and British literature, communication (in English/Communications Dept.), composition, English grammar, film (in Literature Dept.), language arts methods, language components (semantics, syntax, phonemes, morphemes), linguistics, literacy, literary forms (poetry, fiction/non-fiction, drama, etc.), literary techniques (dialect, narration, etc.), rhetoric (grammar/writing), vocabulary; ***Journalism:*** Broadcasting, proofreading/editing; ***Reading***: See Distribution; ***Speech***: Interpersonal communications, oral communication, oral interpretation and group discussion, public relations (in English/Communication Dept.), public speaking, speech, voice and movement techniques.

- **English as a New Language**: Bilingual and ESL coursework

- **English as a New Language-Bilingual Education:** Bilingual and ESL coursework

- **English as a Second Language:** See Distribution

- **Family and Consumer Science:** Conflict resolution, consumer education/resource management, family relationships, home economics, human/child development, money management (household management, budgeting, etc.), parenting/interpersonal relationships; ***Apparel and Textiles***: Clothing/apparel industry, clothing/fashion design, costume design, history of fashion, sewing, textile production, textiles, and wholesale/retail/design operations for apparel and textiles; ***Living Environments***: Architectural design, home/office furnishings, housing industry, interior/exterior design, and wholesale/retail operations (housing/interior furnishings); ***Nutrition, Wellness and Hospitality***: Dietary needs, food management, food preparation, food sanitation, foods, hospitality, and nutrition.

- **Foreign Language:** Communication (oral and written), culture, literature, methods of teaching, and coursework in the specific foreign language.

- **Gifted Education Teacher:** See Distribution

- **General Science (Middle School):** ***Biology***: Anatomy, bacteriology, biochemistry, botany, embryology, endocrinology, ethology, evolution, genetics, herpetology, microbiology, mycology, ornithology, paleontology, physiology, plant taxonomy, synecology, zoology, ***Ecology/Environmental Science:*** autecology, conservation, dendrology, ecosystems, entomology, forestry courses as related to ecology and habitat management, population dynamics, and silviculture. ***Chemistry:*** Analytical chemistry, atomic structures, biochemistry,

organic chemistry, physical chemistry, quantitative chemistry, thermodynamics; ***Earth and Space Science:*** Astronomy, cosmology, earth science, environmental geography, geology, geomatics, geomorphology, hydrology, landscape ecology, meteorology, mineralogy, oceanography, physical geography (land masses, physical landscapes, etc.), weather/climatology; ***Physics:*** Electricity, nuclear physics, physics, quantum mechanics, radioactivity, relativity, solid state physics, and thermodynamics.

- **Health Education:** Community health, consumer health, disease prevention, drug and chemical use and abuse, environmental health, first aid, mental and emotional health, nutrition, personal health (such as aerobics, fitness for life, swimming, and weight lifting), public health, safety and injury prevention, school health, sex education, sexually transmitted diseases, and theories and concepts of health.

- **Language Arts (Middle School):** ***English***: American and British literature, communication (in English/Communications Dept.), composition, English grammar, film (in Literature Dept.), language arts methods, language components (semantics, syntax, phonemes, morphemes), linguistics, literacy, literary forms (poetry, fiction/non-fiction, drama, etc.), literary techniques (dialect, narration, etc.), rhetoric (grammar/writing), vocabulary; ***Journalism:*** Broadcasting, proofreading/editing; ***Reading***: See Distribution; ***Speech***: Interpersonal communications, oral communication, oral interpretation and group discussion, public relations (in English/Communication Dept.), public speaking, speech, voice and movement techniques.

- **Library Information Specialist:** Cataloging, classification, developing software, electronic card catalogs, instructional media, library administration, media services and production, on-line reference resources, on-line searching, production/management of information, production/management of learning technology systems, professional and ethical issues, reference, research and accessing information resources, selection of library materials appropriate to the population to be served, storytelling, and use and management of learning technology systems.

- **Mathematics (Middle School and Senior High):** Abstract algebra, analytical geometry, applied matrix theory, calculus, computer science (mathematical aspects), data analysis, differential equations, discrete structures, Euclidean and non- Euclidean geometry, finite mathematics, geometry, high school mathematics methods, history of mathematics, linear algebra, modern algebra, number theory, probability, regression analysis calculus, statistics, trigonometry, and upper-level courses such as Fourier analysis.

- **Music:** Band, choral music, composing, conducting, instrumental music (trombone, flute, piano, etc.), music, music history, music methods, music theory, rhythmic analysis, and vocal music.

- **Physical Education:** Biomechanics, coaching, dance/creative movement,

exercise physiology, first aid/sports medicine, health-related fitness, human anatomy and physiology, individual and team sports, kinesiology, motor learning/behavior and development, physical education curriculum design, physical education for special populations, rhythm and dance, safety related to physical education, and physical education methods, assessment, and evaluation.

- **Reading Teacher:** See Distribution

- **Safety and Driver's Education (Senior High):** See Distribution

- **Science - Biology (Senior High):** Anatomy, bacteriology, biochemistry, biology, botany, embryology, endocrinology, ethology, evolution, genetics, herpetology, microbiology, mycology, ornithology, paleontology, physiology, plant taxonomy, synecology, and zoology.

- **Science - Chemistry (Senior High):** Analytical chemistry, atomic structures, biochemistry, chemistry, organic chemistry, physical chemistry, and quantitative chemistry.

- **Science - Earth and Space Science (Senior High):** Astronomy, cosmology, earth science, environmental geography, geology, geomatics, geomorphology, hydrology, landscape ecology, meteorology, mineralogy, oceanography, physical geography (land masses, physical landscapes, etc.), and weather/climatology.

- **Science - Environmental Science (Senior High):** Autecology, conservation, dendrology, ecosystems, entomology, forestry courses as related to ecology and habitat management, population dynamics, and silviculture.

- **Science – Physics (Senior High):** Electricity, nuclear physics, physics, quantum mechanics, radioactivity, relativity, solid state physics, and thermodynamics.

- **Social Science (Middle School):** ***Economics***: Comparative markets, economic systems, macroeconomics, market economy, microeconomics, and unemployment; ***Geography***: Cultural, economic, and social geography and any course in the geography department, ***History***: ancient history, comparative history (industrialization, globalization, etc.), U.S. history, and world history; ***Political Science***: Civics, constitutional law, foreign policy, government, political science, and systems of government; ***Psychology***: Human development, educational Psychology, personality, psychology,; ***Sociology/Anthropology***: Ancient civilization, anthropology, cultural diversity, social classes, social deviancy, social justice, and sociology. ***Electives:*** study of religions

- **Social Science – Economics (Senior High):** Comparative markets, economic systems, macroeconomics, market economy, microeconomics, and unemployment.

- **Social Science – Geography (Senior High):** Cultural, economic, and social geography and any course in the geography department.

- **Social Science – History (Senior High):** Ancient history, comparative history

(industrialization, globalization, etc.), U.S. history, and world history.

- **Social Science – Political Science (Senior High):** Civics, constitutional law, foreign policy, government, political science, and systems of government.

- **Social Science – Psychology (Senior High):** Human development, educational psychology, personality, psychology.

- **Social Science – Sociology/Anthropology (Senior High):** Ancient civilization, anthropology, cultural diversity, social classes, social deviancy, social justice, and sociology.

- **Technology Education (Industrial Arts):** Auto body repair, communication (broadcasting, computers in communication and graphic arts, drafting), construction (carpentry, masonry, plumbing, and woodworking), drafting/design, electronics (computer, radio, TV, small appliance and electronic instrument repair), energy utility, graphic communications (architectural design/AutoCAD, CAD/BIM, press photography, print shop, and printing), heating/ventilation/air conditioning, industrial (hydraulic, mechanical, pneumatic, electrical, energy and power), manufacturing (machine tool, metal working, production machine operation, tool and die, welding), production (processes in the manufacturing and construction cycle), public service (criminal justice, firefighting, police science, and security), and transportation (small engine and auto repair, auto/truck mechanical systems).

- **Technology Specialist (Computer Related):** Learning technologies, mobile learning, new media and applicability to learners, technology as it relates to education, administration of technological equipment in organizations, e-learning, privacy in the internet age, technology and education reform, computer operating systems and database management, curriculum design for teachers with computers and new technologies, legal implications for technology, long distance learning, managing TCP/IP networks, networking including servers and routers, designing/constructing/evaluating/maintaining web-based materials, instructional strategies and techniques using technology, media literacy for youth, technology infrastructure, evaluation of learning technologies. *Coursework should be distributed across the standards for technology specialist*.

- **Visual Arts:** Art, art appreciation, art education, art history, drawing, fiber arts, painting (watercolors, pastels, etc.), photography, pottery, printmaking, sculpture, typography, and art methods.