Senior High Coursework
Methods courses for each area may also be used.

**Agricultural Education- AGED- 24 semester hours/12 UD/170 test**

- Occupational Skills
- Agricultural Science
- Agriculture Management
- Animal Science
- Conservation
- Agronomy (crop production)
- Soil
- Plant Management
- Landscaping
- Horticulture
- Agriculture Mechanics
- Agricultural Marketing
- Agricultural Machinery
- Agricultural Resources (Environmental Protection, Habitat)

**Business, Marketing, and Computer Education- BMC- 24 semester hours/12 UD/171 test**

- Business
- Business Communications
- International Business
- International Trade
- Entrepreneurship
- Marketing
- Accounting
- Business Math
- Consumer Economics
- Economics
- Business Management
- Finance
- Business Law
- Business Computer Applications
**Business Computer Programming- BMCP- 24 semester hours in BMC/12 UD/9 hrs in business computer programming**
Business Computer Programming
Operating Systems
Computer Networking
Database Management with Software

**Computer Applications- COAP- 32 semester hours (no UD, no test)**
How to use a computer
Computer Software Products (Word, Excel, PowerPoint)
Web Page Construction and Maintenance
Using Computers in Education
Computer Science
Technology
Networking
Internet

**Computer Science- COSC- 24 semester hours/12 UD/038 test**
Principles, concepts, and methods of computing
Problem Solving in computing
Programming Techniques
Algorithms and Data Structures
Programming and Computer Languages (C++, JavaScript, etc.)

**Dance- DA- 24 semester hours/12 UD/140 test**
Choreography
Dance Styles (jazz, modern, tap, ballet, etc.)
Dance Production
Dance History
Rhythm Analysis
Dance Methods

**Drama/Theatre Arts- DTA- 24 semester hours/12 UD/141 test**
Drama
Theatre
Acting
Story-making/Play-writing
Directing
Stage Design
Stage Makeup
Dramatic Literature (contemporary and historic)
Theatre Production
Voice and Movement Techniques

**English Language Arts- ELA- 24 semester hours/12 UD/111 test**

Reading courses
Selection of Materials (appropriate grade level)
Language Components: semantics, syntax, phonemes, morphemes
Literary Forms: Poetry, Fiction, Drama, etc.
Literary Techniques: Dialect, Narration, etc.
Vocabulary
Rhetoric (Grammar/Writing)
Proofreading
Speech (not theatre courses)
Journalism

**English as a New Language- ENL- 24 semester hours/12 UD/125 test**

ESL coursework
Bilingual Coursework

**English as a New Language-Bilingual Education- ENL-(specific language)- 24 semester hours/12 UD/125 test/TLP or ELP test**

ESL coursework
Bilingual Coursework

**Family and Consumer Science-**

*General Courses:*
Home Economics
Human/Child Development
Consumer Education/Resource Management
Family Relationships
Conflict Resolution
Parenting/Interpersonal Relationships
Money Management

**Apparel and Textiles**: FACA-24 semester hours in FACS/9 hrs in apparel and textiles/172 test
- Textiles
- Textile Production
- Sewing
- Clothing/Fashion Design
- Clothing/Apparel Industry
- Wholesale/Retail/Design Operations for Apparel/Textiles

**Living Environments**: FACL- 24 semester hours in FACS/9 hrs in living environments/172 test
- Housing Industry
- Interior/Exterior Design
- Home/Office Furnishings
- Architectural Design
- Wholesale/Retail Operations (Housing/Interior Furnishings)

**Nutrition, Wellness, and Hospitality**: FACN- 24 semester hours in FACS/9 hrs in nutrition, wellness, and hospitality/172 test
- Nutrition
- Foods
- Dietary Needs
- Food Sanitation
- Food preparation
- Hospitality

**Foreign Language (Language-Specific)**: 24 semester hours/appropriate test
- Oral Communication
- Written Communication
- Culture
- Literature
  (all specific to the particular language)

**Health Education**: HEED- 24 semester hours/12 UD/142 test
Environmental Health
Consumer Health
Nutrition
Disease Prevention
Sexually Transmitted Diseases/Sex Education
Substance Use/Abuse
Emotional/Mental Health (not basic psychology courses)
Community Health
Safety and Injury Prevention
First Aid
Personal Health
Public Health
School Health

**Library Information Specialist- LIS- 24 semester hours/12 UD/175 test**

Administration of Libraries
Reference
Online Reference Resources
Electronic Card Catalogs
Cataloging
Classification
Research and Accessing Information Resources
Selection of Materials
Storytelling
Children or Adolescent Literature
Production/Management of Information
Production/Management of Learning Technology Systems

**Mathematics- MATH- 24 semester hours/12 UD/115 test**

Discrete Math
Abstract Algebra
Linear Algebra
Analytical Geometry
Trigonometry
Calculus
Euclidean/Non-Euclidean Geometry
Probability
Statistics
Regression Analysis
Data Analysis
Computer Science
History of Mathematics

**Music- MUS-24 semester hours/12 UD/143 test**

Music
Instrumental Music: Trombone, Flute, Piano, etc.
Composing
Band
Choral Music
Rhythm Analysis
Vocal Music
Music Methods
Music Theory
Music History
Conducting

**Physical Education- PE- 24 semester hours/12 UD/144 test**

Motor Skills/Human Development
Individual Sports- teaching of
Health-related fitness
Group Sports- teaching of
Dance/Creative Movement- teaching of
Curriculum Design of PE
Instruction/Methodology
Assessment/Evaluation PE
Safety (related to physical education)
First Aid

**Reading Teacher- READ- 24 semester hours w/ a distribution and the Reading Teacher (177) or Reading Specialist (176) test**

*Coursework must be taken in all of the below areas:*

- Foundations of reading
- Content area reading
- Assessment and diagnosis of reading problems
- Developmental and remedial reading instruction and support
- Developmental and remedial materials and resources
• Literature appropriate to students across all grade ranges
• Reading practicum

**Safety and Driver’s Education- SDE- 24 semester hours/12 UD with a Distribution**

*Coursework must be taken in all of the below areas:*

- 3 semester hrs in injury prevention or safety
- 12 semester hrs in driver education
  - Driving task analysis
  - Teaching driver education in class
  - Teaching lab including on-street parking, prep in use of driving simulation, prep in use of multiple car programs
  - Advanced driver education and emergency evasive driving
- 3 semester hours of first aid and cardiopulmonary resuscitation
- 6 semester hrs in any combination of the following:
  - Use of technology in instruction (using computers in education, using smart boards, creating PowerPoint presentations)
  - Safety issues relating to alcohol and drugs
  - Driver education for students with disabilities
  - Any other safety-related area (safety in the schools, lifeguarding, athletic training, etc.)

**Science-Biology- SCIB- 32 semester hours of science coursework/12 hrs in biology/ coursework in 2 other science designations/ 105 test**

Microbiology
Biochemistry
Anatomy
Physiology
Botany
Zoology
Genetics
Evolution
Paleontology
Embryology
Ecology/Environmental Science

**Science-Environmental Science- SCIE- 32 semester hours of science coursework/12 hrs in environmental science/ coursework in 2 other science designations/ 112 test**
Ecology
Ecosystems
Environmental Science
Entomology
Population Dynamics
Conservation
Forestry courses (as related to ecology and habitat management)

Science-Chemistry- SCIC- 32 semester hours of science coursework/12 hrs in chemistry/ coursework in 2 other science designations(including biological science)/ 106 test

Chemistry
Physical Chemistry
Organic Chemistry
Biochemistry
Thermodynamics
Analytical Chemistry
Quantitative Chemistry
Atomic Structures

Science-Physics- SCIP- 32 semester hours of science coursework/12 hrs in physics/ coursework in 2 other science designations(including biological science)/ 116 test

Physics
Nuclear Physics
Mechanics (with course description)
Relativity
Quantum Mechanics
Solid State Physics
Thermodynamics
Radioactivity
Electricity

Science-Earth and Space Science- SCES- 32 semester hours of science coursework/12 hrs in earth and space science/ coursework in 2 other science designations(including biological science)/ 108 test
Earth Science
Physical Geography (if includes land masses, physical landscapes, etc.)
Mineralogy
Soil Science (with course description)
Geology
Meteorology
Oceanography
Weather/Climate
Cosmology
Astronomy

Social Science-Economics- SSEC- 32 semester hours of social science coursework/12 hrs in economics/coursework in two other social science designations/109 test

Microeconomics
Macroeconomics
Comparative Markets
Unemployment
Market Economy
Economic Systems

Social Science-Geography- SSGE- 32 semester hours of social science coursework/12 hrs in geography/coursework in two other social science designations/113 test

Cultural Geography
Social Geography
Economic Geography
Physical Geography (if includes a cultural component)

Social Science-History- SSHI- 32 semester hours of social science coursework/12 hrs in history/coursework in two other social science designations/114 test

US History
World History
Ancient History
Comparative History: Industrialization, Globalization, etc.
Social Science-Political Science- SSPS- 32 semester hours of social science coursework/12 hrs in political science/coursework in two other social science designations/117 test

Political Science
Constitutional Law
Systems of Government
Government
Civics
Foreign Policy

Social Science-Psychology- SSPY- 32 semester hours of social science coursework/12 hrs in psychology/coursework in two other social science designations/118 test

Psychology
Personality
*Educational Psychology is not applicable

Social Science-Sociology and Anthropology- SSSA- 32 semester hours of social science coursework/12 hrs in sociology/anthropology/coursework in two other social science designations/121 test

Sociology
Anthropology
Cultural Diversity
Social Classes
Social Deviancy
Social Justice
Criminal Justice (with course description)
Ancient Civilization

Technology Education- TEED- 24 semester hours/12 UD/174 test

(industrial arts)

Industrial Arts
Occupational Skills for Area (construction, drafting, mechanics, etc.)
Safety courses for Area
Technology Integration for Area
Efficiency/Conservation courses for Area
Commercial Applications for Area
Energy/Power Techniques for Area

**Technology Specialist- TESP- 24 semester hours and the Technology Specialist (178) test**

*(computer related)*

Technology Infrastructure
Systems Analysis and Design
Curriculum Design with Computers
Long distance Learning
Networking (including servers and routers)
Managing TCP/IP networks
Administration of Technological Equipment
Hardware configuration and maintenance
Computer Operating Systems
Database Management
Web page construction and maintenance
Legal Implications, Security Issues for Technology
Selection, Design, and Maintenance of Software
Staff Development for Learning Technologies
Creation of Multimedia

**Visual Arts- VART- 24 semester hours/12 UD/145 test**

Art
Drawing
Painting (watercolors, pastels, etc.)
Fiber Arts
Art History
Printmaking
Photography
Sculpture
Pottery