2026-2027

Licensed Personnel Guide

KANSAS STATE DEPARTMENT OF EDUCATION

Kansas leads the world in the success of each student.

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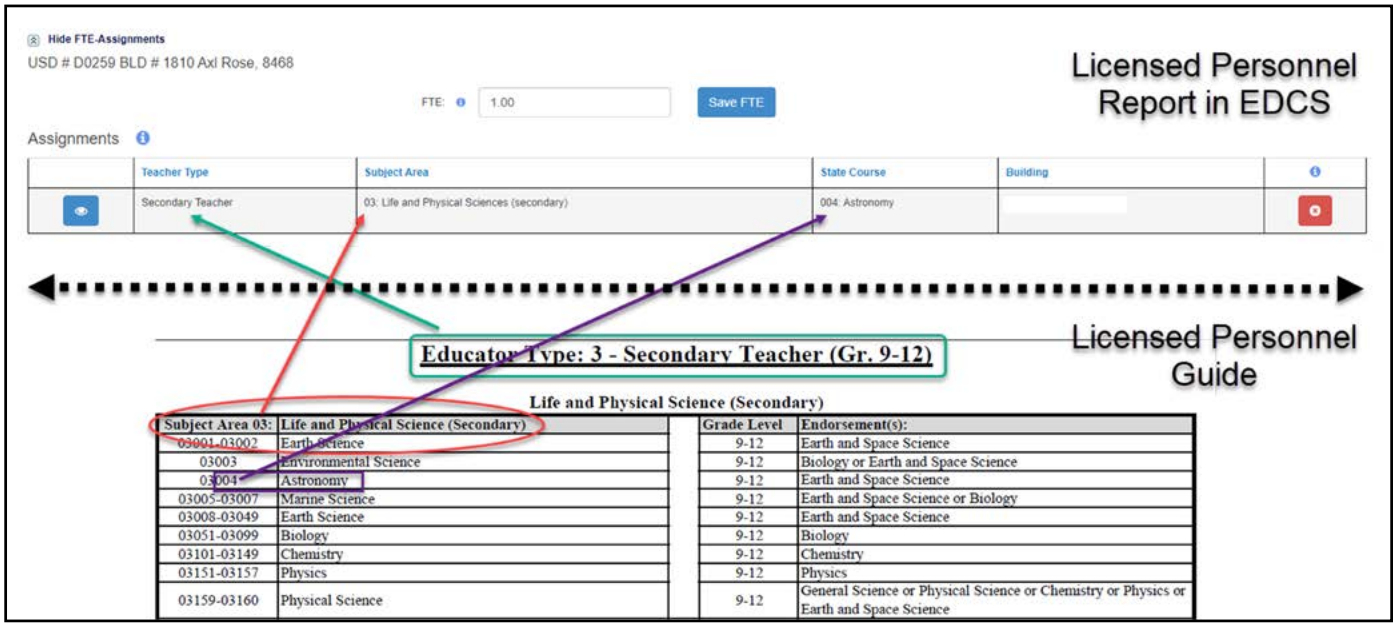
Licensed Personnel Guide (LPG) in relation to the Licensed Personnel Report (LPR) in Educator Data Collection Systems (EDCS)



EDUCATOR TYPE 1

Elementary/Pre-School

Pre-K - Grade 6 (PRK-6)

ELEMENTARY SELF-CONTAINED

All subject areas in this section are required to obtain Science of Reading licensure, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

SUBJECT AREA 80	ELEMENTARY SELF-CONTAINED	ENDORSEMENT(S)
80001	Single grade self-contained classroom	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
80002	Multi-grade self-contained classroom	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

ENGLISH LANGUAGE ARTS (ELA)

All subject areas in this section are required to obtain Science of Reading licensure, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

SUBJECT AREA 81	ELA	ENDORSEMENT(S)
81001	ELA	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
81002	Reading	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
81003-81050	Language Arts	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
81103-81150	Reading	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
81200-81250	Composition/Writing	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

MATHEMATICS

SUBJECT AREA 82	MATHEMATICS	ENDORSEMENT(S)
82001-82050	Mathematics	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

LIFE AND PHYSICAL SCIENCE

SUBJECT AREA 83	LIFE AND PHYSICAL SCIENCE	ENDORSEMENT(S)
83001-83235	Life and Physical Science	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

SOCIAL SCIENCE AND HISTORY

All subject areas in this section are required to obtain Science of Reading licensure, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

SUBJECT AREA 84	SOCIAL SCIENCES AND HISTORY	ENDORSEMENT(S)
84001-84050	Social Studies	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

FINE AND PERFORMING ARTS

For all subject areas in this section, completion of the performance assessment for advancement to a professional license is not permitted if the educator is teaching the assignment with only an elementary or early childhood endorsement. The educator must hold the additional content endorsement to be eligible for licensure upgrade.

SUBJECT AREA 85	FINE AND PERFORMING ARTS	ENDORSEMENT(S)
85001	Art	Art or Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85002	Music	Music or Vocal Music or Instrumental Music Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85003	Vocal Music	Music or Vocal Music or Instrumental Music Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85004	Instrumental Music	Music or Vocal Music or Instrumental Music Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85103-85150	Dance	Physical Education or Health or Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85203-85250	Drama	Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85303-85350	Music	Music or Vocal Music or Instrumental Music Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
85403-85450	Art	Art or Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

WORLD LANGUAGE AND FINE ARTS

For all subject areas in this section, completion of the performance assessment for advancement to a professional license is not permitted if the educator is teaching the assignment with only an elementary or early childhood endorsement. The educator must hold the additional content endorsement to be eligible for licensure upgrade.

SUBJECT AREA 86	WORLD LANGUAGE AND FINE ARTS (ELEMENTARY)	ENDORSEMENT(S)
86001	Spanish Language	Spanish or World Language
86002	French Language	French or World Language
86003	German Language	German or World Language
86004	Latin Language	Latin or World Language
86005	Chinese Language	Chinese or World Language
86006	Japanese Language	Japanese or World Language
86007	Russian Language	Russian or World Language
86008	American Sign Language (ASL)	ASL or any standard license at grade level.
86009	Other World Language	Specific Language or World Language
86103-86150	World Language	Specific Language or World Language

RELIGIOUS EDUCATION AND THEOLOGY

Please note that for all subject areas in this section, completion of the performance assessment to advance to a professional license is not permitted.

SUBJECT AREA 87	RELIGIOUS EDUCATION AND THEOLOGY	ENDORSEMENT(S)
87001	Religious Education and Theology	Any standard license at grade level.

PHYSICAL, HEALTH AND SAFETY EDUCATION

For all subject areas in this section, completion of the performance assessment for advancement to a professional license is not permitted if the educator is teaching the assignment with only an elementary or early childhood endorsement. The educator must hold the additional content endorsement to be eligible for licensure upgrade.

SUBJECT AREA 88	PHYSICAL HEALTH AND SAFETY EDUCATION	ENDORSEMENT(S)
88001, 88003-88050	Physical Education (PE)	Physical Education or Health or Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)
88002	Health	Physical Education or Health or Early Childhood Education (PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6, K-6, or K-9) or Elementary Education Unified (K-6) or Early-Late Childhood Generalist (K-6)

EARLY CHILDHOOD

All subject areas in this section are required to obtain Science of Reading licensure, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

SUBJECT AREA 89	EARLY CHILDHOOD	ENDORSEMENT(S)
89001	Early Childhood/Pre-School	Early Childhood Education (EC-EC or PRK-3) or Early Childhood Unified (B-K or B-3) or Elementary Education (PRK-6)

COMPUTER AND INFORMATION SCIENCE

Please note that for all subject areas in this section, completion of the performance assessment to advance to a professional license is not permitted.

SUBJECT AREA 90	COMPUTER AND INFORMATION SCIENCE	ENDORSEMENT(S)
90001	Computers	Any standard license at grade level.

MISCELLANEOUS

Please note that for all subject areas in this section, completion of the performance assessment to advance to a professional license is not permitted.

SUBJECT AREA 92	MISCELLANEOUS	ENDORSEMENT(S)
92001-92250	Miscellaneous	Any standard license at grade level.

EDUCATOR TYPE 2

Middle School Teacher

Grades 5-8

ENGLISH LANGUAGE ARTS (ELA)

SUBJECT AREA 51	ELA	ENDORSEMENT(S)
51001	ELA	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51002	Developmental Reading	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51003	At-Risk ELA	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51007	IB Language A (English) Middle Years Program	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51008	English as a Second Language (ESOL)	ESOL
51009, 51991	Language Arts Laboratory	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51034-51037	Language Arts (grade 6, grade 7, grade 8)	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51046-51049	Reading (grade 6, grade 7, grade 8)	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51053, 51097	Literature/Independent Study	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51066-51068	Strategic, Assisted, Corrective Reading	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51103-51104	Composition/Creative Writing	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51136-51139	Writing (grade 6, grade 7, grade 8)	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51147, 51149	Composition-Independent Study/Other	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51551	Public Speaking	Speech Communications or Speech/Theatre
51155	Communications	Speech Communications or Speech/Theatre
51197, 51199	Speech - Independent Study/Other	Speech Communications or Speech/Theatre
51203	English - Test Preparation	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
51992	English Proficiency Development	ELA or ESOL
51996-51999	ELA - Other	ELA or Middle Level Generalist (5-8) or Elementary endorsements through the grade level

Additional information regarding the ELA/Communications graduation requirement is available at https://www.ksde.gov/student-success/resources-by-subject-area/english-language-arts.

MATHEMATICS

SUBJECT AREA 52	MATHEMATICS	ENDORSEMENT(S)
52001	Informal Mathematics	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52002	General Math	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52003	Particular Topics in Foundational Mathematics	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52036-52039	Mathematics (grade 6, grade 7, grade 8)	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52047, 52049	Foundation Math - Independent Study/ Other	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52051-52052	Pre-Algebra/Algebra I	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52061	Integrated Math	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52069	Algebra - Other	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52071-52075	Geometry	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52079	Geometry - Other	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52132	IB Mathematics, Middle Years Program	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52157	Consumer Math	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
52991-52999	Other Mathematics	Advanced Mathematics or Mathematics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level

LIFE AND PHYSICAL SCIENCE

SUBJECT AREA 53	LIFE AND PHYSICAL SCIENCE	ENDORSEMENT(S)
53001	Science	Science or General Science or Physical Science or Biology or Chemistry or Physics or Earth/Space Science or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53002	Developmental Science	Science or General Science or Physical Science or Biology or Chemistry or Physics or Earth/Space Science or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53008-53049	Earth/Space Science	Science or General Science or Earth/Space Science or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53051-53099	Biology	Science or General Science or Biology or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53101-53149	Chemistry	Science or General Science or Chemistry or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53151-53199	Physics	Science or General Science or Physics or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
53201-53999	Other Science	Science or General Science or Physical Science or Biology or Chemistry or Physics or Earth/Space Science or Middle Level Generalist (5-8) or Elementary endorsements through the grade level

SOCIAL SCIENCES AND HISTORY

SUBJECT AREA 54	SOCIAL SCIENCES AND HISTORY	ENDORSEMENT(S)
54001	History Comprehensive	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or History, Government and Social Studies (HGSS) or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54002	Developmental History Comprehensive	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or HGSS or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54003	Psychology	Psychology
54047	Geography	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or Geography or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54051-54097	World History	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or World History or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54101-54149	U.S. History	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or American History or Middle Level Generalist (5-8) or Elementary endorsements through the grade level

EDUCATOR TYPE 2: MIDDLE SCHOOL TEACHER (GRADES 5-8)

SUBJECT AREA 54	SOCIAL SCIENCES AND HISTORY	ENDORSEMENT(S)
54151-54199	Government, Politics and Law	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or Political Science/Government or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54336-54439	Social Studies (Grade 6, Grade 7, Grade 8)	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or HGSS or American History or Political Science/Government or Geography or World History or Middle Level Generalist (5-8) or Elementary endorsements through the grade level
54996-54999	Other Social Studies	History Comprehensive (5-8) or Social Studies Comprehensive or History and Government or HGSS or American History or Political Science/Government or Geography or World History or Middle Level Generalist (5-8) or Elementary endorsements through the grade level

FINE AND PERFORMING ARTS

SUBJECT AREA 55	FINE AND PERFORMING ARTS	ENDORSEMENT(S)
55001	Art	Art
55002	Music	Music or Vocal Music or Instrumental Music
55003	Vocal Music	Music or Vocal Music or Instrumental Music
55004	Instrumental Music	Music or Vocal Music or Instrumental Music
55005	Fine Arts Humanities	Art or Music or Vocal Music or Instrumental Music or Speech/Theatre
55006	Speech	Speech Communications or Speech/Theatre
55007	Debate/Forensics	Speech Communications or Speech/Theatre
55008	Drama/Theater	Drama or Speech/Theatre
55036-55049	Dance	PE or Health
55051-55099	Drama/Theater	Drama or Speech/Theatre
55101-55106	Instrumental Music	Music or Vocal Music or Instrumental Music
55110-55111	Vocal Music	Music or Vocal Music or Instrumental Music
55116-55149	Other Music	Music or Vocal Music or Instrumental Music
55151-55199	Visual Arts	Art
55201-55999	Fine and Performing Arts-Other (for Art or Music)	Speech Communications or Speech/Theatre or Drama or Art or Music or Vocal Music or Instrumental Music

WORLD LANGUAGE AND LITERATURE

SUBJECT AREA 56	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
56010, 56036-56039	World Language	Any specific language endorsement at grade level or world language.
56001, 56100-56101	Spanish	Spanish or World Language
56002, 56120-56121	French	French or World Language
56140-56141	Italian	Specific Language or World Language
56160-56161	Portuguese	Specific Language or World Language
56003, 56200-56201	German	German or World Language
56280-56281	Greek	Specific Language or World Language
56004. 56300-56320	Latin	Latin or World Language
56005, 56400-56401	Chinese	Chinese or World Language
56006, 56420-56421	Japanese	Japanese or World Language
56440-56441	Korean	Specific Language or World Language
56500-56501	Vietnamese	Specific Language or World Language
56520-56521	Filipino	Specific Language or World Language
56007, 56600-56601	Russian	Russian or World Language
56700-56701	Hebrew	Specific Language or World Language
56720-56721	Arabic	Specific Language or World Language
56760-56761	Swahili	Specific Language or World Language
56008, 56800-56801	American Sign Language (ASL)*	ASL or any standard license at grade level.
56820-56821	American Indian Language	Specific Language or World Language
56009, 56997-56999	Other World Language	Specific Language or World Language

* Completion of the performance assessment to move to the professional license not allowed.

RELIGIOUS EDUCATION AND THEOLOGY

Please note that for all subject areas in this section, completion of the performance assessment to advance to a professional license is not permitted.

SUBJECT AREA 57	RELIGIOUS EDUCATION AND THEOLOGY	ENDORSEMENT(S)
57001-57999	Religious Education and Theology	Any license at level.

PHYSICAL, HEALTH, AND SAFETY EDUCATION

For all subject areas in this section, completion of the performance assessment for advancement to a professional license is not permitted if the educator is teaching the assignment with only an elementary or early childhood endorsement. The educator must hold the additional content endorsement to be eligible for licensure upgrade.

SUBJECT AREA 58	PHYSICAL, HEALTH, AND SAFETY EDUCATION	ENDORSEMENT(S)
58001, 58003-58049	PE	PE
58002, 58051-58097	Health	Health or PE
58997-58999	Physical, Health and Safety Education Other	Health or PE or Biology or General Science or Home Economics or Vocational Home Economics or FCS or Middle Level Generalist (5-8).

MILITARY SCIENCE

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 59	MILITARY SCIENCE	ENDORSEMENT(S)
59001	Military Science	Verifiable training by specific branch of the military.

COMPUTER AND INFORMATION SCIENCE

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 60	COMPUTER AND INFORMATION SCIENCE	ENDORSEMENT(S)
60001-60049	Computers	Computer Studies or any standard license at grade level.
60201-60247	Media Technology	Computer Studies or any standard license at grade level.
60997-60999	Computer and Information Science-Other	Computer Studies or any standard license at grade level.

COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY

SUBJECT AREA 61	COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY	ENDORSEMENT(S)
61001	Journalism	Journalism
61002	Multimedia*	Any standard license at grade level with verifiable computer training.
61003	Newspaper	Journalism
61004	Yearbook*	Any standard license at grade level with verifiable computer training.
61047-61049	Communication*	Any standard license at grade level with verifiable computer training.
61051-61099	Audio/Visual Production*	Any standard license at grade level with verifiable computer training.
61101-61149	Journalism and Broadcasting	Journalism
61104	Publication Production*	Any standard license at grade level with verifiable computer training.
61151-61199	Printing Technology and Production*	Any standard license at grade level with verifiable computer training.
61997-61999	Communication and Audio/Visual Tech Other*	Any standard license at grade level with verifiable computer training.

BUSINESS AND MARKETING

SUBJECT AREA 62	BUSINESS AND MARKETING	ENDORSEMENT(S)
62001	Business	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping
62005	Keyboarding*	Any standard license at grade level with verifiable computer training.
62006	Word Processing*	Any standard license at grade level with verifiable computer training.
62008, 62047	Business Administration	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping
62051, 62097	Business Management	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping
62101, 62147	Business Finance	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping
62151-62197	Business Marketing	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping
62997, 62999	Business Other	Business Economics or Business Law or Office Practices or Business Education Comprehensive or Business or Bookkeeping

* Completion of the performance assessment to advance to a professional license is not allowed.

MANUFACTURING

SUBJECT AREA 63	MANUFACTURING	ENDORSEMENT(S)
63001	Exploration of Technology Labs*	Any standard license at grade level with appropriate background.
63002	Industrial Technology	General Industrial Technology or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology
63003	Production Technology	Woods or Metals or Plastics or Production Technology or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Production Technology
63004	Technology Education	Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology
63005	Communication Technology	Drafting or Graphic Arts or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Communication Technology
63052	Processing/Production	Woods or Metals or Plastics or Production Technology or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Production Technology
63997, 63999	Manufacturing Other	Drafting or Graphic Arts or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Communication Technology

HEALTH CARE SERVICE

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 64	HEALTH CARE SERVICES	ENDORSEMENT(S)
64001-64002	Health Care Sciences Comprehensive	Any standard license at grade level with appropriate background.
64997-64999	Health Care Sciences Other	Any standard license at grade level with appropriate background.

PUBLIC, PROTECTIVE AND GOVERNMENT SERVICES

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 65	PUBLIC, PROTECTIVE AND GOVERNMENT SERVICES	ENDORSEMENT(S)
65001-65999	Public, Protective and Government Services	Any standard license at grade level with appropriate background.

HOSPITALITY AND TOURISM

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 66	HOSPITALITY AND TOURISM	ENDORSEMENT(S)
66001-66999	Hospitality and Tourism	Any standard license at grade level with appropriate background.

ARCHITECTURE AND CONSTRUCTION

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 67	ARCHITECTURE AND CONSTRUCTION	ENDORSEMENT(S)
67001-67999	Architecture and Construction	Any standard license at grade level with appropriate background.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

SUBJECT AREA 68	AGRICULTURE, FOOD, AND NATURAL RESOURCES	ENDORSEMENT(S)
68001-68999	Agriculture	Agriculture or Vocational Agriculture

HUMAN SERVICES

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 69	HUMAN SERVICES	ENDORSEMENT(S)
69001-69999	Human Services	Any standard license at grade level with appropriate background.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

SUBJECT AREA 70	TRANSPORTATION, DISTRIBUTION AND LOGISTICS	ENDORSEMENT(S)
70001-70999	Power, Energy, Transportation Technology	Auto Mechanics or Power Mechanics or Electricity/ Electronics or Electricity or Power and Energy or Comprehensive Industrial Arts or Industrial Arts Comprehensive or Technology or Power, Energy, Transportation Technology

ENGINEERING AND TECHNOLOGY

For all subject areas in this section, completion of the performance assessment to advance to a professional license is not allowed.

SUBJECT AREA 71	ENGINEERING AND TECHNOLOGY	ENDORSEMENT(S)
71001-71999	Engineering and Technology	Any standard license at grade level with appropriate background.

MISCELLANEOUS

SUBJECT AREA 72	MISCELLANEOUS	ENDORSEMENT(S)
72001	Miscellaneous*	Any standard license at grade level.
72003	Study Skills*	Any standard license at grade level.
72004	Dropout Prevention Program*	Any standard license at grade level.
72005	Tutorial*	Any standard license at grade level.
72006	Study Hall*	Any standard license at grade level.
72007	Advancement Via Individual Determination*	Any standard license at grade level.
72101-72105	School Organization/Leadership*	Any standard license at grade level.
72106	Seminar*	Any standard license at grade level.
72151-72153	Career and Employability Skills*	Any standard license at grade level.
72002, 72201-72249	Family and Consumer Sciences (FCS)	Home Economics or Vocational Home Economics or FCS
72250-72299	Miscellaneous other*	Any standard license at grade level.

* Completion of the performance assessment to move to the professional license not allowed.

EDUCATOR TYPE 3

Secondary Teacher

Grades 9-12

ENGLISH LANGUAGE ARTS (ELA)

SUBJECT AREA 01	ELA	ENDORSEMENT(S)
01001-01007	Comprehensive Language Arts	ELA
01008	ESL	ESL or ESOL
01009	Language Arts Laboratory	ELA
01051-01054	Literature/Reading	ELA
01055	American Literature/History	ELA **AND** American History or Social Studies Comprehensive or History and Government
01056	British Literature	ELA
01057	British Literature/History	ELA **AND** American History or Social Studies Comprehensive or History and Government
01058-01065	Literature/Reading	ELA
01066-01068	Literature/Reading	ELA
01097-01099	Literature/Reading	ELA
01101-01149	Composition/Writing	ELA
01151	Public Speaking	Speech Communications or Speech/Theatre
01152	Forensic Speech - Inclusive	Speech Communications or Speech/Theatre
01153	Forensic Speech - Debate	Speech Communications or Speech/Theatre
01154	Forensic Speech - Individual Event	Speech Communications or Speech/Theatre
01155	Communications	Speech Communications or Speech/Theatre or ELA
01156	Applied English and Communications	Speech Communications or Speech/Theatre or ELA
01197	Speech - Independent Study	Speech Communications or Speech/Theatre
01198	Speech - Work Place Experience	Speech Communications or Speech/Theatre
01199	Speech - Other	Speech Communications or Speech/Theatre
01201-01203	Linguistics	ELA
01992-01999	All Others	ELA

Additional information regarding the ELA/Communications graduation requirement is available at https://www.ksde.gov/student-success/resources-by-subject-area/english-language-arts.

MATHEMATICS

SUBJECT AREA 02	MATHEMATICS	ENDORSEMENT(S)
02001-02049	Foundation Mathematics	Advanced Mathematics or Mathematics
02051-02079	Pure Mathematics	Advanced Mathematics or Mathematics
02101-02149	Pure Mathematics	Advanced Mathematics or Mathematics
02151-02157	Applied Mathematics	Advanced Mathematics or Mathematics
02201-02209	Probability and Statistics	Advanced Mathematics or Mathematics
02991-02999	Other Mathematics	Advanced Mathematics or Mathematics

LIFE AND PHYSICAL SCIENCE

SUBJECT AREA 03	LIFE AND PHYSICAL SCIENCE	ENDORSEMENT(S)
03001-03002	Earth Science	Earth and Space Science
03003	Environmental Science	Biology or Earth and Space Science
03004	Astronomy	Earth and Space Science
03005-03007	Marine Science	Earth and Space Science or Biology
03008-03049	Earth Science	Earth and Space Science
03051-03099	Biology	Biology
03101-03149	Chemistry	Chemistry
03151-03157	Physics	Physics
03159-03160	Physical Science	General Science or Physical Science or Chemistry or Physics or Earth and Space Science
03161-03199	Physics	Physics
03201-03202	Integrated/Unified Science	Biology or Chemistry or Earth and Space Science or General Science or Physical Science or Physics or Botany or Zoology
03203	Applied Biology/Chemistry	Chemistry and Biology
03204-03206	Integrated/Other	Biology or Chemistry or Earth and Space Science or General Science or Physical Science or Physics or Botany or Zoology
03207-03208	Environmental Science	Biology or Earth and Space Science
03209	Aerospace	Earth and Space Science
03210-03999	Integrated/Other	Biology or Chemistry or Earth and Space Science or General Science or Physical Science or Physics or Botany or Zoology

SOCIAL SCIENCE AND HISTORY

SUBJECT AREA 04	SOCIAL SCIENCE AND HISTORY	ENDORSEMENT(S)
04001-04049	Geography	Geography or History and Government or Social Studies Comprehensive or History, Government and Social Studies (HGSS)
04051-04099	World History	World History or Social Studies Comprehensive or History and Government or HGSS
04101-04149	U.S. History	American History or Social Studies Comprehensive or History and Government or HGSS
04151-04160	Government, Politics and Law	Social Studies Comprehensive or History and Government or HGSS
04161-04199	Government, Politics and Law	Political Science/Government or Social Studies Comprehensive or History and Government or HGSS
04201-04249	Economics	Economics or Social Studies Comprehensive or History and Government or HGSS
04251-04253	Anthropology	Anthropology or Social Studies Comprehensive or History and Government or HGSS
04254-04257	Psychology	Psychology
04258 - 04259	Sociology	Sociology or Social Studies Comprehensive or History and Government or HGSS
04260-04299	Social Science	Social Studies Comprehensive or History and Government or HGSS
04301-04304	Humanities	Art or Music or Speech/Theatre or Social Studies Comprehensive or History and Government or HGSS
04305	Social Studies	Social Studies Comprehensive or History and Government or HGSS
04306 - 04309	Philosophy	Social Studies Comprehensive or History and Government or Philosophy or HGSS
04310-04349	Particular Topics in Humanities	Art or Music or Speech/Theatre
04994-04999	Social Sciences and History - Proficiency Development	American History or Anthropology or Economics or Geography or History and Government or Philosophy or Political Science/Government or Social Studies Comprehensive or Sociology or World History or HGSS

FINE AND PERFORMING ARTS

SUBJECT AREA 05	FINE AND PERFORMING ARTS	ENDORSEMENT(S)
05001-05049	Dance	PE or Health
05051-05099	Drama	Speech Communication or Speech/Theatre or Drama
05101-05109	Instrumental Music	Instrumental Music or Music
05110-05112	Vocal Music	Vocal Music or Instrumental Music or Music
05113 - 05149	Music	Vocal Music or Instrumental Music or Music
05151-05159	Visual Art	Art
05160-05163	Printmaking/Graphics/Advertising Design	Art or Graphic Arts or Visual Communication
05164-05166	Textiles/Crafts/Jewelry	Art
05167 - 05168	Photography/Film/Videotape	Art or Journalism
05169 - 05199	Visual Art	Art
05201-05999	All Others	Speech Communication or Speech/Theatre or Art or Vocal Music or Instrumental Music or Music

WORLD LANGUAGE AND LITERATURE

ROMANCE LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06101-06113	Spanish	Spanish
06121-06133	French	French
06141-06151	Italian	Specific Language
06161-06171	Portuguese	Specific Language
06181-06199	Romance/Italic Language	Specific Language

GERMANIC, CELTIC, GREEK AND CLASSIC LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06201-06212	German	German
06241-06259	Germanic Language	Specific Language
06261-06279	Celtic Language	Specific Language
06281-06299	Greek	Specific Language
06301-06313	Latin	Latin
06321-06331	Classical Greek	Specific Language
06359	Classical Languages - Other	Specific Language

EAST AND SOUTHEAST ASIAN LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06401-06411	Chinese	Chinese
06421-06431	Japanese	Japanese
06441-06451	Korean	Specific Language
06481-06499	East Asian Language	Specific Language
06501-06511	Vietnamese	Specific Language
06521-06531	Filipino	Specific Language
06581-06599	Southeast Asian Language	Specific Language

BALTO-SLAVIC, TURKIC/URAL-ALTAIC AND IRANIAN/PERSIAN LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06601-06611	Russian	Russian
06641-06659	Balto-Slavic Language	Specific Language
06661-06679	Turkic/Ural-Altaic Language	Specific Language
06681-06699	Iranian/Persian Language	Specific Language

SEMITIC AND NEAR/MIDDLE EASTERN LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06701-06712	Hebrew	Specific Language
06721-06732	Arabic	Specific Language
06759	Semitic and Near/Middle Eastern Languages - Other	Specific Language

NON-SEMITIC AFRICAN LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06761-06771	Swahili	Specific Language
06781-06799	Non-Semitic African Language	Specific Language

AMERICAN SIGN LANGUAGE

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06801-06819	American Sign Language (ASL)*	ASL or any standard license at grade level.

AMERICAN INDIAN, INDIC, AND MALAYO-POLYNESIAN LANGUAGES

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06821-06839	American Indian Language	Specific Language
06841-06859	Indic Language	Specific Language
06861-06879	Malayo-Polynesian Language	Specific Language

GENERAL

SUBJECT AREA 06	WORLD LANGUAGE AND LITERATURE	ENDORSEMENT(S)
06995-06999	World Language and Literature - General	Chinese or French or German or Latin or Spanish or Russian or Japanese or Other World Language

* Completion of the performance assessment to move to the professional license not allowed.

RELIGIOUS EDUCATION AND THEOLOGY

SUBJECT AREA 07	RELIGIOUS EDUCATION AND THEOLOGY	ENDORSEMENT(S)
07001-07999	Religious Education and Theology*	Any standard license at grade level.

PHYSICAL, HEALTH AND SAFETY EDUCATION

SUBJECT AREA 08	PHYSICAL, HEALTH AND SAFETY EDUCATION	ENDORSEMENT(S)
08001-08006	Physical Education (PE)	PE
08007	Adapted PE	Adapted PE or PE
08008 - 08049	PE	PE
08051-08099	Health Education	Health Education, PE or Biology or General Science or Home Economics or Vocational Home Economics or FCS
08151-08199	Drivers' Education	Drivers Education endorsement or License plus certificate validating instructor qualifications
08201-08999	Physical, Health, and Safety Education - All Others	Health Education, PE or Biology or General Science or Home Economics or Vocational Home Economics or FCSs

MILITARY SCIENCE

SUBJECT AREA 09	MILITARY SCIENCE	ENDORSEMENT(S)
09001-09004	General Military Science*	Verifiable training by specific branch of the military.
09051-09054	Army*	Verifiable training by specific branch of the military.
09101-09104	Navy*	Verifiable training by specific branch of the military.
09151-09154	Air Force*	Verifiable training by specific branch of the military.
09201-09204	Marine Corps Junior ROTC I *	Verifiable training by specific branch of the military.
09995 - 09999	Military Science - Other*	Verifiable training by specific branch of the military.

COMPUTER AND INFORMATION SCIENCES

SUBJECT AREA 10	COMPUTER AND INFORMATION SCIENCES	ENDORSEMENT(S)
10001-10999	Computer and Information Sciences	Business or Computer Studies or Business Education or General Business or Communication Technology or Technology Education or any license at grade level with verifiable computer training.

* Completion of the performance assessment to move to the professional license not allowed.

COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY - COMMUNICATION

SUBJECT AREA 11	COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY - COMMUNICATION	ENDORSEMENT(S)
11001-11049	Communication	Drafting or Graphic Arts or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Communication Technology
11051-11099	Audio and Video Technology and Film*	Any license at grade level with verifiable training.
11101-11149	Journalism and Broadcasting	Journalism
11151-11199	Printing Technology and Production	Drafting or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Communication Technology or Art (Does not include KCC 11151-11153 and 11158-11159) or Journalism (Does not include KCC 11158-11159)
11995-11999	Communication and Audio/Video Technology - Aide	Drafting or Comprehensive Industrial Technology or Industrial Arts Comprehensive or Technology or Communication Technology or Art or Graphic Arts or Journalism

BUSINESS AND MARKETING

SUBJECT AREA 12	BUSINESS AND MARKETING	ENDORSEMENT(S)
12001-12004	Business Administration	Business or Business Education Comprehensive or Bookkeeping or Business Economics or Business Law or Office Practice
12005	Keyboarding*	Any license at level
12006-12049	Business Administration	Business or Business Education Comprehensive or Bookkeeping or Business Economics or Business Law or Office Practice
12050	Business Essentials	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
12051	Introductory Business	Business or Business Education Comprehensive or Bookkeeping or Business Economics or Business Law or Office Practice
12052-12099	Business Management	Business or Business Education
12101-12149	Business Finance	Business or Business Education or Bookkeeping or Business Economics or General Business, History and Government, Economics
12151-12199	Business Marketing	Business or Business Education
12201-12249	Sales	Business or Business Education Comprehensive or Bookkeeping or Business Economics or Business Law or Office Practice
12995-12999	Business and Marketing - All Others	Business or Business Education Comprehensive or Bookkeeping or Business Economics or Business Law or Office Practice

* Completion of the performance assessment to move to the professional license not allowed.

MANUFACTURING

SUBJECT AREA 13	MANUFACTURING	ENDORSEMENT(S)
13001-13004	Manufacturing Technology	See courses in Career and Technical Education Section.
13052	Material and Processes	See courses in Career and Technical Education Section.
13053	Metal and Wood Processing/Production	See courses in Career and Technical Education Section.
13054	Wood Processing/Production	See courses in Career and Technical Education Section.
13055	Metal Processing/Production	See courses in Career and Technical Education Section.
13056	Plastics Processing/Production	See courses in Career and Technical Education Section.
13057	Ceramic Processing/Production	See courses in Career and Technical Education Section.
13058-13099	Processing/Production	See courses in Career and Technical Education Section.
13101-13149	Production Systems	See courses in Career and Technical Education Section.
13201-13249	Metalwork	See courses in Career and Technical Education Section.
13301-13349	Repair	See courses in Career and Technical Education Section.
13995-13999	Manufacturing - All Others	See courses in Career and Technical Education Section.

HEALTH CARE SCIENCES

SUBJECT AREA 14	HEALTH CARE SCIENCES	ENDORSEMENT(S)
14001-14002	Comprehensive Health Care Sciences	See courses in Career and Technical Education Section.
14051-14099	Therapeutic Services	See courses in Career and Technical Education Section.
14101-14149	Diagnostic Services	See courses in Career and Technical Education Section.
14151-14199	Health Information	See courses in Career and Technical Education Section.
14201-14249	Health Support Services	See courses in Career and Technical Education Section.
14251-14299	Health Sciences	See courses in Career and Technical Education Section.
14995-14999	Health Care Sciences - All Others	See courses in Career and Technical Education Section.

PUBLIC, PROTECTIVE AND GOVERNMENT SERVICES

SUBJECT AREA 15	PUBLIC, PROTECTIVE, AND GOVERNMENT SERVICES	ENDORSEMENT(S)
15001	Exploration of Public Service Careers	See courses in Career and Technical Education Section
15051-15099	Law Enforcement	See courses in Career and Technical Education Section.
15101-15149	Security and Protection	See courses in Career and Technical Education Section.
15151-15199	Fire Management	See courses in Career and Technical Education Section.
15201-15249	Government Service	See courses in Career and Technical Education Section.
15995-15999	Public, Protective, and Government Service - All Others	See courses in Career and Technical Education Section.

HOSPITALITY AND TOURISM

SUBJECT AREA 16	HOSPITALITY AND TOURISM	ENDORSEMENT(S)
16001	Exploration of Hospitality Careers	See courses in Career and Technical Education Section.
16051-16099	Restaurant, Food and Beverage Services	See courses in Career and Technical Education Section.
16101-16149	Lodging	See courses in Career and Technical Education Section.
16151-16199	Travel and Tourism	See courses in Career and Technical Education Section.
16201-16249	Recreation, Amusement and Attractions	See courses in Career and Technical Education Section.
16995-16999	Hospitality and Tourism - All Others	See courses in Career and Technical Education Section.

ARCHITECTURE AND CONSTRUCTION

SUBJECT AREA 17	ARCHITECTURE AND CONSTRUCTION	ENDORSEMENT(S)
17001-17049	Construction - General	See courses in Career and Technical Education Section.
17051-17099	Air Conditioning, Heating, and Plumbing	See courses in Career and Technical Education Section.
17101-17149	Electricity/ Electronics	See courses in Career and Technical Education Section.
17995-17999	Architecture and Construction - All Others	See courses in Career and Technical Education Section.

AGRICULTURE, FOOD AND NATURAL RESOURCES

SUBJECT AREA 18	AGRICULTURE, FOOD AND NATURAL RESOURCES	ENDORSEMENT(S)
18001-18003	Agriculture, Food, and Natural Resources - Comprehensive	See courses in Career and Technical Education Section.
18051-18099	Plant Systems	See courses in Career and Technical Education Section.
18101-18149	Animal Systems	See courses in Career and Technical Education Section.
18301-18349	Agriculture Production/Processing	See courses in Career and Technical Education Section.
18401-18449	Agricultural Mechanics and Construction	See courses in Career and Technical Education Section.
18501-18549	Natural Resources	See courses in Career and Technical Education Section.
18995-18999	Agriculture, Food, and Natural Resources - All Others	See courses in Career and Technical Education Section.

HUMAN SERVICES

SUBJECT AREA 19	HUMAN SERVICES	ENDORSEMENT(S)
19001	Human Services Career Exploration	See courses in Career and Technical Education Section.
19051-19099	Child Care and Elder Care	See courses in Career and Technical Education Section.
19101-19149	Cosmetology	See courses in Career and Technical Education Section.
19151-19199	Education	See courses in Career and Technical Education Section.
19201-19249	Apparel and Furnishings	See courses in Career and Technical Education Section.
19995-19999	Human Services - All Others	See courses in Career and Technical Education Section.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

SUBJECT AREA 20	TRANSPORTATION, DISTRIBUTION, AND LOGISTICS	ENDORSEMENT(S)
20001	Exploration of Transportation, Distribution and Logistics	See courses in Career and Technical Education Section.
20051-20099	Operation	See courses in Career and Technical Education Section.
20101-20149	Mechanics and Repair	See courses in Career and Technical Education Section.
20151-20199	Distribution - Comprehensive	See courses in Career and Technical Education Section.
20995-20999	Transportation, Distribution and Logistics - All Others	See courses in Career and Technical Education Section.

ENGINEERING AND TECHNOLOGY

SUBJECT AREA 21	ENGINEERING AND TECHNOLOGY	ENDORSEMENT(S)
21001-21049	Pre-Engineering Technology	See courses in Career and Technical Education Section.
21051-21099	Technological Literacy	See courses in Career and Technical Education Section.
21101-21149	Drafting	See courses in Career and Technical Education Section.
21995-21999	Engineering and Technology - All Others	See courses in Career and Technical Education Section.

MISCELLANEOUS

SUBJECT AREA 22	MISCELLANEOUS	ENDORSEMENT(S)
22001-22049	Academic Enrichment*	Any standard license at grade level.
22051-22099	Staff Assistance*	Any standard license at grade level.
22101-22149	School Organization/Leadership*	Any standard license at grade level.
22151-22199	Career Exploration/Development*	Any standard license at grade level.
22201-22299	FCS	FCS
22995-22999	Miscellaneous*	Any standard license at grade level.
22990	Financial Literacy*	Any standard license at grade level with district verified Financial Literacy training.

* Completion of the performance assessment to move to the professional license not allowed.

EDUCATOR TYPE 4

Special Education (SPED)/English for Speakers of Other Languages (ESOL)

PRK- Grade 12 (PRK-12)

All subject areas in this section are required to obtain Science of Reading licensure for pre-K-Grade 6, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

SUBJECT AREA 94	SPED/ESOL	ENDORSEMENT(S)
94001	Adapted Physical Education (PE)	Adapted PE or PE
94002	Early Childhood SPED	Early Childhood Handicapped or Early Childhood Unified or Adaptive SPED (PRK-12) or Functional SPED (PRK-12)
94006	ESOL	Bilingual/Multicultural Education or ESL or ESOL
94007	Gifted	Gifted
94011	Support Services*	Requires endorsement for special education or ESOL assignment.
94012	Life Skills*	Requires endorsement for special education or ESOL assignment.
94013	Distance Learning*	Requires endorsement for special education or ESOL assignment.
94015	Significantly Below Grade Level English*	English content endorsement at the grade level selected or one level below **AND** appropriate special education or ESOL endorsement for assignment
94016	Significantly Below Grade Level Math*	Math content endorsement at the grade level selected or one level below **AND** appropriate special education or ESOL endorsement for assignment
94017	Significantly Below Grade Level Social Studies*	Social Studies content endorsement at the grade level selected or one level below **AND** appropriate special education or ESOL endorsement for assignment
94018	Significantly Below Grade Level Science*	Science content endorsement at the grade level selected or one level below **AND** appropriate special education or ESOL endorsement for assignment

* SPED/ESOL Type required.

SPED/ESOL TYPE

CODE	SPED/ESOL TYPE	ENDORSEMENT(S)
001	High Incidence SPED*	Interrelated SPED or Behavior Disorders or Educable Intellectual Disability or Learning Disabilities or Intellectual Disability or Physically Impaired or Adaptive SPED or Early Childhood Unified, High Incidence, Elementary Unified (K-6)
002	Deaf or Hard-of-Hearing*	Deaf or Hard of Hearing OR Hearing Impaired
003	Visually Impaired*	Visually Impaired
004	ESOL	ESL or ESOL or Bilingual/Multicultural Education
005	Low Incidence Special Education*	Intellectual Disability or Trainable Intellectual Disability or Severely Multiple Handicapped or Functional SPED or Early Childhood Unified, Low Incidence, Elementary Unified (K-6)
006	Gifted*	Gifted
007	Adaptive PE*	Adaptive PE or PE, Elementary Unified (K-6)

* This SPED/ESOL type is required to obtain Science of Reading licensure for pre-K-Grade 6, which can be found at https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

EDUCATOR TYPE 5

Career and Technical Education

Grades 7-12

Note: Before entering Career and Technical Education (CTE) assignments for use during the current school year, you must have:

1. Had your pathways approved in the pathways system during the previous school year.
2. Mapped your local courses in the Kansas course code (KCC) management system.

This guide is continually updated to reflect changes in CTE changes.

Technical certificates are available when appropriate to the pathway.

Kansas Career Cluster Pathways

Pathway Classification of Instructional Program (CIP) Codes

AGRICULTURE

Agriculture Career Cluster Design

Agricultural Technology and Mechanical Systems Pathway	01.0201
Animal Science, Health and Related Industries Pathway	01.0901
Diversified Agricultural Science Pathway	01.0000
Food Products and Processing Systems Pathway	01.0401
Plant Science and Industry Operations Pathway	01.1101

Energy and Natural Resources Career Cluster Design

Energy Pathway	14.4801
Natural Resources and Environmental Sustainability Pathway	03.0101

BUSINESS

Management and Entrepreneurship Career Cluster Design

Business Management and Entrepreneurship Pathway	52.0799

Financial Services Career Cluster Design

Business Finance Pathway	52.0801

Marketing and Sales Career Cluster Design

Marketing Pathway	52.1402

Hospitality, Events and Tourism Career Cluster Design

Restaurant and Event Management Pathway	12.0504
Travel and Tourism Pathway	52.0901

DESIGN, PRODUCTION AND REPAIR

Advanced Manufacturing Career Cluster Design

Automation Engineering Pathway	15.0406
Aviation Production Pathway	15.0000
Engineering and Applied Mathematics Pathway	14.0101
Manufacturing Pathway	48.0000

Construction Career Cluster Design

Construction and Design Pathway	46.0000

Supply Chain and Transportation Career Cluster Design

Aviation Maintenance and Operations Pathway	47.0607
Vehicle Maintenance and Repair Pathway	47.0600

HEALTH AND HUMAN SERVICES

Healthcare and Human Services Career Cluster Design

Biotechnology Pathway	26.1201
Health Science Pathway	51.3901
Family, Community and Consumer Services Pathway	44.0000

MEDIA AND TECHNOLOGY

Digital Technology Career Cluster Design

Information Support and Services Pathway	11.0301
Media Design and Communications Pathway	11.0801
Networking and Telecommunications Pathway	11.0901
Programming and Software Development Pathway	11.0201

PUBLIC SERVICES

Education Career Cluster Design

Early Childhood Development and Services Pathway	19.0709
Teaching/Training Pathway	13.0101

Public Service and Safety Career Cluster Design

Corrections, Security, Law and Law Enforcement Services Pathway	43.0199
Emergency and Fire Management Services Pathway	43.0299
Government and Public Administration Pathway	44.0401

AGRICULTURE

AGRICULTURE, FOOD AND NATURAL RESOURCES

Agricultural Technology and Mechanical Systems Pathway

CIP CODE: 01.0201

Vocational Agriculture or Agriculture (original effective date 7/1/03).

AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS PATHWAY 01.0201	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture or Agriculture
Agriscience	18002	Vocational Agriculture or Agriculture
Agricultural Internship	18048	Vocational Agriculture or Agriculture
Advanced Agricultural Internship	18049	Vocational Agriculture or Agriculture
Agribusiness Management	18201	Vocational Agriculture or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture or Agriculture
Agricultural Mechanics	18401	Vocational Agriculture or Agriculture
Advanced Agricultural Mechanics	18402	Vocational Agriculture or Agriculture
Agricultural Construction	18403	Vocational Agriculture or Agriculture
Agricultural Welding I or Welding Processes I	18404/39207	Indust Arts Comp, Tech Ed, Voc Agriculture, Agriculture, Comp Industrial Tech
Agricultural Welding II or Welding Processes II	18407/39208	Indust Arts Comp, Tech Ed, Voc Agriculture, Agriculture, Comp Industrial Tech
Agricultural Fabrication	18409	Indust Arts Comp, Tech Ed, Voc Agriculture, Agriculture, Comp Industrial Tech
Small Power Systems	18410	Vocational Agriculture or Agriculture
Advanced Agricultural Power	18411	Vocational Agriculture or Agriculture
Agricultural Engineering and Technology	18415	Vocational Agriculture or Agriculture
Agriculture Explorations I	68001	Vocational Agriculture or Agriculture
Agriculture Explorations II	68002	Vocational Agriculture or Agriculture

Animal Science, Health and Related Industries Pathway

CIP CODE: 01.0901

Vocational Agriculture or Agriculture (original effective date 7/1/03).

ANIMAL SCIENCE, HEALTH AND RELATED INDUSTRIES PATHWAY 01.0901	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture or Agriculture
Agriscience	18002	Vocational Agriculture or Agriculture
Agricultural Internship	18048	Vocational Agriculture or Agriculture
Animal Science	18101	Vocational Agriculture, Agriculture, or Biology
Small Animal Care	18102	Vocational Agriculture, Agriculture, or Biology
Advanced Animal Science	18103	Vocational Agriculture, Agriculture, or Biology
Equine Science	18104	Vocational Agriculture, Agriculture, or Biology
Animal Healtlh	18105	Vocational Agriculture, Agriculture, or Biology
Agribusiness Management	18201	Vocational Agriculture or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture or Agriculture
Plant and Animal Science	18301	Vocational Agriculture or Agriculture
Advanced Plant and Animal Science	18302	Vocational Agriculture or Agriculture
Agricultural Food Science	18305	Vocational Agriculture or Agriculture
Agricultural Biotechnology	18308	Vocational Agriculture or Agriculture
Agriculture Explorations I	68001	Vocational Agriculture or Agriculture
Agriculture Explorations II	68002	Vocational Agriculture or Agriculture

Diversified Agricultural Science Pathway

CIP CODE: 01.0000

Vocational Agriculture or Agriculture (original effective date 7/1/03).

DIVERSIFIED AGRICULTURAL SCIENCE PATHWAY 01.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture or Agriculture
Agriscience	18002	Vocational Agriculture or Agriculture
Capstone in Agriculture	18003	Vocational Agriculture or Agriculture
Agricultural Internship	18048	Vocational Agriculture or Agriculture
Horticulture	18052	Vocational Agriculture, Horticulture, or Agriculture
Plant and Soil Science	18058	Vocational Agriculture, Agriculture, Biology, or Horticulture
Animal Science	18101	Vocational Agriculture, Agriculture, or Biology
Small Animal Care	18102	Vocational Agriculture, Agriculture, or Biology
Equine Science	18104	Vocational Agriculture, Agriculture, or Biology
Agribusiness Management	18201	Vocational Agriculture or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture or Agriculture
Plant and Animal Science	18301	Vocational Agriculture or Agriculture
Advanced Plant and Animal Science	18302	Vocational Agriculture or Agriculture
Agricultural Food Science	18305	Vocational Agriculture, Agriculture, or Chemistry
Agricultural Biotechnology	18308	Vocational Agriculture or Agriculture
Sustainable/Alternative Agriculture	18310	Vocational Agriculture or Agriculture
Agricultural Mechanics	18401	Vocational Agriculture or Agriculture
Agricultural Construction	18403	Vocational Agriculture or Agriculture
Agricultural Welding I or Welding Processes I	18404/39207	Indust Arts Comp, Tech Ed, Voc Agriculture, Agriculture, Comp Industrial Tech
Agricultural Fabrication	18409	Indust Arts Comp, Tech Ed, Voc Agriculture, Agriculture, Comp Industrial Tech
Small Power Systems	18410	Vocational Agriculture or Agriculture
Agricultural Engineering and Technology	18415	Vocational Agriculture or Agriculture
Natural Resource Management	18504	Vocational Agriculture, Agriculture, or Biology
Agriculture Explorations I	68001	Vocational Agriculture, Agriculture
Agriculture Explorations II	68002	Vocational Agriculture, Agriculture

Food Products and Processing Systems Pathway

CIP CODE: 01.0401

Vocational Agriculture or Agriculture (original effective date 7/1/03).

FOOD PRODUCTS AND PROCESSING SYSTEMS PATHWAY 01.0401	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture or Agriculture
Agriscience	18002	Vocational Agriculture or Agriculture
Agricultural Internship	18048	Vocational Agriculture or Agriculture
Advanced Agricultural Internship	18049	Vocational Agriculture or Agriculture
Horticulture	18052	Vocational Agriculture, Horticulture, or Agriculture
Plant and Soil Science	18058	Vocational Agriculture, Agriculture, Biology, or Horticulture
Animal Science	18101	Vocational Agriculture, Agriculture, or Biology
Agribusiness Management	18201	Vocational Agriculture or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture or Agriculture
Agricultural Food Science	18305	Vocational Agriculture, Agriculture, or Chemistry
Advanced Food Science	18317	Vocational Agriculture, Agriculture, or Chemistry
Food Science	19254	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Agriculture Explorations I	68001	Vocational Agriculture or Agriculture
Agriculture Explorations II	68002	Vocational Agriculture or Agriculture

Plant Science and Industry Operations Pathway

CIP CODE: 01.1101

Vocational Agriculture or Agriculture (original effective date 7/1/03)

PLANT SCIENCE AND INDUSTRY OPERATIONS PATHWAY 03.0101	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture, Horticulture, or Agriculture
Agriscience	18002	Vocational Agriculture, Horticulture, or Agriculture
Agricultural Internship	18048	Vocational Agriculture, Horticulture, or Agriculture
Advanced Agricultural Internship	18049	Vocational Agriculture, Horticulture, or Agriculture
Horticulture	18052	Vocational Agriculture, Horticulture, or Agriculture
Horticulture, Floriculture and Greenhouse Management	18057	Vocational Agriculture, Horticulture, or Agriculture
Plant and Soil Science	18058	Vocational Agriculture, Horticulture, or Agriculture
Nursery and Landscape Operations	18067	Vocational Agriculture, Horticulture, or Agriculture
Crop and Range Management	18081	Vocational Agriculture, Horticulture, or Agriculture
Agribusiness Management	18201	Vocational Agriculture, Horticulture, or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture, Horticulture, or Agriculture
Plant and Animal Science	18301	Vocational Agriculture, Agriculture, Biology, or Horticulture
Advanced Plant and Animal Science	18302	Vocational Agriculture, Agriculture, Biology, or Horticulture
Agriculture Explorations I	68001	Vocational Agriculture or Agriculture
Agriculture Explorations II	68002	Vocational Agriculture or Agriculture

ENERGY AND NATURAL RESOURCES CAREER CLUSTER DESIGN

Energy Pathway

CIP CODE: 14.4801

Vocational Agriculture or Agriculture (original effective date 7/1/03)

Energy Pathway 14.4801	KCC	Teaching Endorsement or Technical Certificate
Meteorology	03006	Technology Education, or Earth and Space Science or Biology
AP Environmental Science	03207	Biology or Earth and Space Science
Mechanical Power Transmission Systems	13302	Industrial Arts Comp, Comp Industrial Technology, Tech Education
HVAC Technology	17056	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Foundations of Electronics	21201	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Hydraulics and Pneumatics	39302	Industrial Arts Comp, Tech Education, Comprehensive Industrial Technology
Introduction to Energy	41100	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Energy Industry Fundamentals	41105	Gen Science, Earth/Space Science, Physics, Agriculture, Industrial Arts Comp, Tech Ed, Comp Indust Tech, General Carpentry I **AND** Energy Industry Fundamentals Certified
Energy, Power, and Society	41150	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Wind Energy Operations	41160	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Fundamentals of Electricity and Electronics	41170	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Introduction to Environmental Science	41207	Biology or Earth and Space Science
Workplace Experience in Energy	41250	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Workplace Experience in Energy - Comprehensive	41260	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Advanced Electricity and Electronics	41270	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science (math and sciences with appropriately related training)

Energy Pathway 14.4801	KCC	Teaching Endorsement or Technical Certificate
Principles of Applied Engineering	41320	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Materials Science in Engineering	41355	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)

Natural Resources and Environment Sustainability Pathway

CIP CODE: 03.0101

Vocational Agriculture or Agriculture (original effective date 7/1/03).

NATURAL RESOURCES AND ENVIRONMENT SUSTAINABILITY PATHWAY 03.0101	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Agriculture	18001	Vocational Agriculture or Agriculture
Agriscience	18002	Vocational Agriculture or Agriculture
Agricultural Internship	18048	Vocational Agriculture or Agriculture
Advanced Agricultural Internship	18049	Vocational Agriculture or Agriculture
Agribusiness Management	18201	Vocational Agriculture or Agriculture
Agricultural Entrepreneurship	18202	Vocational Agriculture or Agriculture
Agricultural Leadership and Communications	18203	Vocational Agriculture or Agriculture
Research in Agriculture	18206	Vocational Agriculture or Agriculture
Sustainable/Alternative Agriculture	18310	Vocational Agriculture or Agriculture
Wildlife and Recreation Management	18501	Vocational Agriculture, Agriculture, or Biology
Natural Resource Management	18504	Vocational Agriculture, Agriculture, or Biology
Environmental Resources & Wildlife Science	37506	Vocational Agriculture, Agriculture, or Biology
Agriculture Explorations I	68001	Vocational Agriculture or Agriculture
Agriculture Explorations II	68002	Vocational Agriculture or Agriculture

BUSINESS

MANAGEMENT AND ENTREPRENEURSHIP DESIGN

Business Management and Entrepreneurship Pathway

CIP CODE: 52.0799

The Consumer and Personal Finance course (22210) for .5 credit will not be available within pathways due to the new financial literacy graduation requirement.

BUSINESS MANAGEMENT AND ENTREPRENEURSHIP PATHWAY 52.0799	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Web Design	10201	Business Education Comp, Business, Computer Studies, Technology Education, Library Media, Journalism, or Professional license at grade level with verifiable computer training
2D Animation	10202	Business Education Comp, Business, Computer Studies, Technology Education, Library Media, Journalism, or Professional license at grade level with verifiable computer training
Business Communications	12009	Business Education Comp, Business, General Business
Business Essentials	12050	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Business Management	12052	Business Education Comp, Business, Economics, Business Economics, Business Law, General Business
Entrepreneurship	12053	Business Education Comp, Business, Family & Consumer Science, Home Economics
Business Law	12054	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
IB Business and Management	12059	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Business Management and Entrepreneurship Workplace Experience	12098	Business Ed Comp, Business, Economics, Business Economics, Business Law, General Business, Family and Consumer Science, Home Economics
Accounting	12104	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Business Economics	12105	Business Education Comp, Business, Business Economics, General Business, Economics, History and Government, Social Studies Comp
Principles of Marketing	12164	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Computer-Aided Machining (CAM) I	13204	Industrial Arts Comp, Technology Education, General Carpentry I, Comp. Industrial Tech Business Education Comp, Business, Computer Studies, Library Media, Journalism, or Professional license at grade level with verifiable computer training
Culinary Essentials	16052	Family & Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
General Carpentry I	17002	Industrial Arts Comp, Technology Education, General Carpentry I, Comp. Industrial Tech

BUSINESS MANAGEMENT AND ENTREPRENEURSHIP PATHWAY 52.0799	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Remodel and Building Maintenance	17009	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp Industrial Tech
Agriscience	18002	Vocational Agriculture or Agriculture
Agricultural Welding I and/or Welding Processes I	18404/39207	Industrial Arts Comprehensive, Technology Education, Comp Industrial Tech, Vocational Agriculture, Agriculture
Foundations of Early Childhood Development	19052	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Science
Engineering Design and Development	21007	Comp Indust Tech, Industrial Arts Comp, Tech Ed, General Indust Tech, General Math, Math, Physics, Earth and Space Science, Chemistry (sciences with related training)
Drafting/CAD	21107	Indust Arts Junior High, Indust Arts Comp, Tech Ed, Drafting/Print Reading/Print Reading, Voc Drafting/ Print Reading/Print Reading, Drafting/Print Reading/ Print Reading/Design Engineering, Comp. Indust Technology,
Applied Business Development	32200	Business Ed Comp, Business, Business Econ, Business Law, Gen Business, Economics
Advanced Business Management and Entrepreneurship Workplace Experience	32998	Business Ed Comp, Business, Economics, Business Economics, Business Law, General Business, Family and Consumer Science, Home Economics
Digital Marketing and Advertising	35162	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
General Service I	40150	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Auto Collision	40300	Industrial Arts Comp, Comp Industrial Tech, Tech Education

FINANCIAL SERVICES DESIGN

Business Finance Pathway

CIP CODE: 52.0801

The Consumer and Personal Finance course (22210) for .5 credit will not be available within pathways due to the new financial literacy graduation requirement.

BUSINESS FINANCE PATHWAY 52.0801	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Business Communications	12009	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Business Essentials	12050	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Entrepreneurship	12053	Business Ed Comp, Business, Family and Consumer Science, Home Economics
Business Law	12054	Business Ed Comp, Business, Business Law, Gen Business
Banking and Finance	12101	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Accounting	12104	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Business Economics	12105	Business Ed Comp, Business, Business Ec, Gen Business, Economics, History and Government, Social Studies Comp
Risk Management and Insurance	12106	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Investing	12107	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Workplace Experience in Finance	12148	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Advanced Accounting	33108	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Econ, Math
College Accounting	33109	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Econ, Math
Applied Business Technology Applications	33110	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Workplace Experience in Finance - Advanced	33200	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics

MARKETING AND SALES DESIGN

Marketing Pathway

CIP CODE: 52.1402

MARKETING PATHWAY 52.1402	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Web Design	10201	Professional license at grade level with verifiable computer training
2D Animation	10202	Professional license at grade level with verifiable computer training
Business Communications	12009	Business Education Comp, Business, General Business
Business Essentials	12050	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Business Management	12052	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Entrepreneurship	12053	Business Education Comp, Business, Family & Consumer Science, Home Economics
IB Business and Management	12059	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Accounting	12104	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Business Economics	12105	Business Education Comp, Business, Business Economics, General Business, Economics, History and Government, Social Studies Comp
Sports/Entertainment Marketing	12163	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Principles of Marketing	12164	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Marketing Management	12166	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Marketing Research	12196	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Marketing Workplace Experience	12198	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Advanced Marketing Workplace Experience	12199	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Foundations of Travel and Tourism	16151	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Graphic Design I	30102	Professional license at grade level with verifiable computer training
Audio/Video Production I	30103	Speech Communication, Speech/Theatre, Speech/Theatre Arts, Journalism, Business Education Comprehensive, Business, Tech Ed
Applied Business Technology Applications	33110	Business Ed Comp, Business, Business Ec, Business Law, Gen Business, Economics
Event Planning and Management	34052	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Digital Marketing and Advertising	35162	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Marketing Communication	35168	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Marketing Applications	35300	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics

HOSPITALITY AND TOURISM CAREER CLUSTER DESIGN

Restaurant and Event Management Pathway

CIP CODE: 12.0504

RESTAURANT AND EVENT MANAGEMENT PATHWAY 12.0504	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Business Essentials	12050	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Entrepreneurship	12053	Business Education Comprehensive, Business, Family and Consumer Science, Home Economics
Principles of Marketing	12164	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Culinary Essentials	16052	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Culinary Arts I	16053	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Culinary Arts II	16055	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Baking and Pastry I	16056	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Baking and Pastry II	16057	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Culinary Workplace Experience	16098	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Foundations of Travel and Tourism	16151	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Introduction to Family and Consumer Sciences	19251	Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Sciences
Nutrition and Dietetics	19253	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Physical Education
Food Science	19254	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Career and Life Planning	19258	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Community Connections	19297	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Career Connections	19298	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Applied Business Development	32200	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Event Planning and Management	34052	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business

Travel and Tourism Pathway

CIP CODE: 52.0901

TRAVEL AND TOURISM PATHWAY 52.0901	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Business Essentials	12050	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Entrepreneurship	12053	Business Education Comp, Business, Family & Consumer Science, Home Economics
Principles of Marketing	12164	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Culinary Essentials	16052	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Foundations of Hospitality and Lodging	16101	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business, Business Economics
Hospitality and Lodging Management	16148	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Foundations of Travel and Tourism	16151	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Introduction to Family and Consumer Sciences	19251	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Science, Home Economics Junior High
Nutrition and Dietetics	19253	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Physical Education
Career and Life Planning	19258	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business
Community Connections	19297	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Career Connections	19298	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Event Planning and Management	34052	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Business Education Comprehensive, Business

DESIGN, PRODUCTION AND REPAIR

CONSTRUCTION CAREER CLUSTER DESIGN

Construction and Design Pathway

CIP CODE: 46.0000

CONSTRUCTION AND DESIGN PATHWAY 46.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Sheet Metal Technology	13205	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp. Industrial Tech
General Carpentry I	17002	Industrial Arts Comp, Technology Education, General Carpentry I, Comp. Industrial Tech,
Research and Design in Building Trades	17005	Industrial Arts Comp, Technology Education, General Carpentry I, Comp. Industrial Tech,
Woodworking Principles	17007	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp. Industrial Tech
Remodel and Building Maintenance	17009	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, General Carpentry I, Mechanical Technology, Comp. Industrial Tech
HVAC Technology	17056	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Plumbing Technology	17058	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Mechanical/Electrical/Plumbing (MEP) I	17062	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Electrical Technology	17113	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Interior Design I	19263	Family and Consumer Sciences, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics,
Drafting/Print Reading/Print Reading	21102	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp. Industrial Tech
Drafting/Architecture I	21103	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Drafting/CAD	21107	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp. Industrial Tech
Production Print Reading I	21108	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Technology Education, Comp. Industrial Tech
Research and Design for Preconstruction	21109	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Architectural Design I	21203	Industrial Arts Comp, Technology Education, Mechanical Technology, Comp. Industrial Tech
Interior Design II	22212	Family and Consumer Sciences, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics,
Introduction to Skilled Trades	38001	Cabinet Making, Industrial Arts Junior High, Industrial Arts Comp, Comp. Industrial Tech, Technology Education, Agriculture, Vocational Agriculture
General Carpentry II	38002	Industrial Arts Comp, Technology Education, General Carpentry I, Comp. Industrial Tech,
Advanced Materials and Fabrication	38010	Industrial Arts Comp, Technology Education, Mechanical Technology, Comp. Industrial Tech
Drafting/Architecture II	38050	Industrial Arts Comp, Technology Education, Mechanical Technology, Comp. Industrial Tech
Workplace Experience in Architecture and Construction	38100	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech
Workplace Experience in Architecture and Construction - Comprehensive	38110	Industrial Arts Comp, Tech Ed, Mechanical Tech, Comp. Industrial Tech

CONSTRUCTION AND DESIGN PATHWAY 46.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Interior Architectural Design	38212	Industrial Arts Comp, Technology Education, Mechanical Technology, Comp. Industrial Tech
Architectural Design II	38223	Industrial Arts Comp, Technology Education, Mechanical Technology, Comp. Industrial Tech

ADVANCED MANUFACTURING CAREER CLUSTER DESIGN

Automation Engineering Pathway

CIP CODE: 15.0406

AUTOMATION ENGINEERING PATHWAY 15.0406	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Cybersecurity I	10020	Professional license at grade level with verifiable computer training in area
Computer Programming	10152	Professional license at grade level with verifiable computer training in area
Introduction to Manufacturing	13001	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Tech, Tech Ed
Mechanical Power Transmission Systems	13302	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Industrial Maintenance Systems	13303	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Fundamentals of Electrical Theory	17101	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Engineering Design	21006	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Digital Electronics	21008	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
Robotics I	21009	Comp Indust Tech, Indust Arts Comp, Tech Ed, General Indust Tech, General Mathematics, Ag, Physics, Earth/Space Science, Biology, Chemistry (math and sciences with appropriate related training in Robotics
Computer Integrated Manufacturing	21010	Comp Industrial Tech, Industrial Arts Comp, Tech Education, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Workplace Experience in Engineering - Comprehensive	21048	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Production Print Reading I	21108	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Foundations of Electronics	21201	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)

EDUCATOR TYPE 5: CTE (GRADES 7-12) | DESIGN, PRODUCTION & REPAIR

AUTOMATION ENGINEERING PATHWAY 15.0406	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Introduction to Computer Coding	31001	Professional license at grade level with verifiable computer training in area
Introduction to Physical Computing	31002	Professional license at grade level with verifiable computer training in area
Introduction to Skilled Trades	38001	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Tech, Tech Ed
Robotics II	39009	Comp Indust Tech, Indust Arts Comp, Tech Ed, General Indust Tech, General Mathematics, Ag, Physics, Earth/Space Science, Biology, Chemistry (math and sciences with appropriate related training in Robotics
Automated Integrated Systems I	39010	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Automated Integrated Systems II	39020	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Welding Processes I	39207	Indust Arts Comp, Comp Indust Tech, Tech Education, Voc Ag, Agriculture
Hydraulics and Pneumatics	39302	Industrial Arts Comp, Tech Education, Comprehensive Industrial Technology
Hand and Power Tools	40400	Industrial Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Workplace Experience in Engineering	41048	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Introduction to Engineering	41310	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Materials Science in Engineering	41355	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)

Aviation Production Pathway

CIP CODE: 15.0000

AVIATION ENGINEERING PATHWAY 15.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Workplace Experience in Engineering - Comprehensive	21048	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Drafting/CAD	21107	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Production Print Reading I	21108	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Introduction to Skilled Trades	38001	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Tech, Tech Ed
Hand and Power Tools	40400	Industrial Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Aviation Fundamentals	40410	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics & Earth/Space Science with related training in area
Aircraft Systems	40420	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics & Earth/Space Science with related training in area
Aviation Tooling	40600	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Aerostructures	40620	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Composites	40640	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Workplace Experience in Engineering	41048	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Aerospace Drawings I	41500	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Aerospace Drawings II	41510	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech
Special Projects and Research in Aviation	41520	Indust Arts Comp, Comp Industrial Technology, Tech Education, Gen Indust Tech

Engineering and Applied Mathematics Pathway

CIP CODE: 14.0101

ENGINEERING AND APPLIED MATHEMATICS PATHWAY 14.0101	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Engineering Design	21006	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Engineering Design and Development	21007	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
Digital Electronics	21008	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
Robotics I	21009	Comp Indust Tech, Indust Arts Comp, Tech Ed, General Indust Tech, General Mathematics, Ag, Physics, Earth/Space Science, Biology, Chemistry (math and sciences with appropriate related training in Robotics
Computer Integrated Manufacturing	21010	Comp Industrial Tech, Industrial Arts Comp, Tech Education, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Civil Engineering and Architecture	21012	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Aerospace Engineering	21013	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Particular Topics In Engineering	21015	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Workplace Experience in Engineering - Comprehensive	21048	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Emerging Technologies	21053	Comp Industrial Technology, Industrial Arts Comp, General Industrial Technology, Technology Education, General Mathematics, Mathematics, Physics, Chemistry, Biology, Earth and Space Science (science with appropriate related training).
Drafting/CAD	21107	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Production Print Reading I	21108	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Foundations of Electronics	21201	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Workplace Experience in Engineering	41048	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Introduction to Engineering	41310	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)

ENGINEERING AND APPLIED MATHEMATICS PATHWAY 14.0101	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Principles of Applied Engineering	41320	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Project Management	41350	Comp Indust Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)
Materials Science and Engineering	41355	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)

Manufacturing Pathway

CIP CODE: 48.0000

MANUFACTURING PATHWAY 48.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Production Methods	13052	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Machine Tool Technology	13203	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Computer-Aided Machining (CAM) I	13204	Industrial Arts Comp, Comp Industrial Technology, Tech Education Business Education Comp, Business, Computer Studies, Library Media, Journalism, or Professional license at grade level with verifiable computer training
Sheet Metal Technology	13205	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Introduction to Welding	13207	Industrial Arts Comp, Comp Industrial Technology, Tech Ed, Voc Ag, Agriculture
Mechanical Power Transmission Systems	13302	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Work Experience in Manufacturing	13348	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Work Experience in Manufacturing - Comprehensive	13998	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Remodeling and Building Maintenance	17009	Industrial Arts Comp, Comp Industrial Technology, Tech Education
HVAC Technology	17056	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Plumbing Technology	17058	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Electrical Technology	17113	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Agricultural Welding I	18404	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Agricultural Welding II	18407	Indust Arts Comp, Comp Indust Tech, Tech Education, Voc Ag, Agriculture
Digital Electronics	21008	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
Robotics I	21009	Comp Indust Tech, Indust Arts Comp, Tech Ed, General Indust Tech, General Mathematics, Ag, Physics, Earth/Space Science, Biology, Chemistry (math and sciences with appropriate related training in Robotics
Drafting/CAD	21107	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Production Print Reading I	21108	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Advanced Drafting/CAD	21150	Industrial Arts Comp, Comp Industrial Tech, Tech Education

MANUFACTURING PATHWAY 48.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Foundations of Electronics	21201	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Introduction to Skilled Trades	38001	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Tech, Tech Ed
Advanced Materials and Fabrication	38010	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Tech, Tech Ed
Automated Integrated Systems I	39010	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Production Methods II	39052	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Production Print Reading II	39108	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Computer-Aided Machining (CAM) II	39205	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Welding Processes I	39207	Indust Arts Comp, Comp Indust Tech, Tech Education, Voc Ag, Agriculture
Welding Processes II	39208	Indust Arts Comp, Comp Indust Tech, Tech Education, Voc Ag, Agriculture
Hydraulics and Pneumatics	39302	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Hand and Power Tools	40400	Industrial Arts Comp, Comp Industrial Technology, Tech Education

SUPPLY CHAIN AND TRANSPORTATION CAREER CLUSTER DESIGN

Aviation Maintenance and Operations Pathway

CIP CODE: 47.0607

AVIATION MAINTENANCE AND OPERATIONS PATHWAY 47.0607	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Digital Electronics	21008	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
Production Print Reading I	21108	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Foundations of Electronics	21201	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Introduction to Skilled Trades	38001	Indust Arts JR High, Indust Arts Comp, Comp Indust Tech, Tech Education,
Hand and Power Tools	40400	Industrial Arts Comp, Comp Industrial Technology, Tech Education
Aviation Fundamentals	40410	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics & Earth/Space Science with related training in area
Aircraft Systems	40420	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics & Earth/Space Science with related training in area
AMT General I	40431	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Tech/Engineering, Physics & Earth/Space Science with related training in area
AMT General II	40432	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Tech/Engineering, Physics & Earth/Space Science with related training in area
AMT General III	40433	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Tech/Engineering, Physics & Earth/Space Science with related training in area

AVIATION MAINTENANCE AND OPERATIONS PATHWAY 47.0607	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
AMT General IV	40434	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Tech/Engineering, Physics & Earth/Space Science with related training in area
AC Electronics	40450	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics with related training in area
DC Electronics	40460	Indust Arts Comp, Comp Indust Technology, Tech Education, Gen Indust Tech
Small Uncrewed Aircraft Systems (sUAS) I	40490	Indust Arts Comp, Comp Indust Technology, Tech Education, Gen Indust Tech
Private Pilot Ground School	40540	Comp Indust Tech, Indust Arts Comp, Tech Education, Gen Indust Tech, Physics & Earth/Space Science with related training in area
Work Experience in Avaition	40700	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training
Work Experience in Avaition - Comprehensive	40701	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training

Vehicle Maintenance and Repair Pathway

CIP CODE: 47.0600

VEHICLE MAINTENANCE AND REPAIR PATHWAY 47.0600	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Business Essentials	12050	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Entrepreneurship	12053	Business Education Comp, Business, Family & Consumer Science, Home Economics
Introduction to Skilled Trades	38001	Industrial Arts Junior High, Industrial Arts Comp, Comp Industrial Technology, Technology Education
Basic Automotive Care and Information	40050	Industrial Arts Comp, Tech Education
General Service I	40150	Industrial Arts Comp, Comp Industrial Tech, Tech Education
General Service II	40152	Industrial Arts Comp, Comp Industrial Tech, Tech Education
General Service III	40154	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Electronic and Electrical Systems I	40200	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Electronics and Electrical Systems II	40202	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Brakes I	40204	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Brakes II	40206	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Drive Train Technology	40208	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Alternative Power	40210	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Small Engine and Powertrains I	40212	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Small Engines and Powertrains II	40214	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Engine Mechanical Repair	40216	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Diesel and Heavy Equipment Technology I	40218	Industrial Arts Comp, Comp Industrial Tech, Tech Education, Voc. Agriculture and Agriculture
Engine Performance I	40220	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Engine Performance II	40222	Industrial Arts Comp, Comp Industrial Tech, Tech Education

VEHICLE MAINTENANCE AND REPAIR PATHWAY 47.0600	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Steering and Suspension I	40224	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Steering and Suspension II	40226	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Mobile HVAC	40228	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Diesel and Heavy Equipment Technology II	40238	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Diesel and Heavy Equipment Technology III	40239	Industrial Arts Comp, Comp Industrial Tech, Tech Education
CDL - Entry Level Driver Training	40240	Any standard license at grade level with appropriate background. Holds CDL of the same (or higher) class with all endorsements necessary to operate the CMV for which training is provided, a minimum of two years experience, and meets all applicable state qualifications for CMV instructors. See Course Competency Sheet for Qualifications.
Work Experience in Transportation	40250	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Work Experience in Transportation-Comprehensive	40251	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Auto Collision I	40300	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Auto Collision II	40302	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Auto Refinishing I	40310	Industrial Arts Comp, Comp Industrial Tech, Tech Education
Auto Refinishing II	40312	Industrial Arts Comp, Comp Industrial Tech, Tech Education

HEALTH AND HUMAN SERVICES

HEALTHCARE AND HUMAN SERVICES CAREER CLUSTER DESIGN

Biotechnology Pathway

CIP CODE: 26.1201

BIOTECHNOLOGY PATHWAY 26.1201	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Anatomy and Physiology	03053	Health, Physical Education, Biology
Chemistry	03101	Chemistry
Applied Biochemistry	03203	Technology Education, Agriculture, Biology, or Chemistry
Human Body Systems	14102	Health, Physical Education, Biology, Chemistry, Agriculture
Medical Interventions	14105	Biology, Chemistry, or TECH CERT: Health Sciences
Principals of Biomedical Science	14251	Biology, Chemistry, or TECH CERT: Health Sciences
Pharmacology	14253	Technology Education, Chemistry, Biology,
Biomedical Innovation	14255	Technology Education, Physics, Chemistry or Biology
Bioscience Workplace Experience	14998	Biology, Chemistry, or TECH CERT: Health Sciences
Plant and Soil Science	18058	Vocational Agriculture, Agriculture, Horticulture, Biology, or Earth &Space Science
Applied Biotechnology	18320	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Food Science	19254	Family and Consumer Science, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Robotics I	21009	Comp Indust Tech, Indust Arts Comp, Tech Ed, General Indust Tech, General Mathematics, Ag, Physics, Earth/Space Science, Biology, Chemistry (math and sciences with appropriate related training in Robotics
Biotechnology Essentials	21014	Tech Ed, Ag, Physics, Biology, Earth/Space, Chemistry, General Math, Math
Particular Topics in Engineering	21015	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (sciences with appropriately related training)
Emerging Technologies	21053	Comp Industrial Tech, Industrial Arts Comp, Gen Indust Tech, Tech Ed, Gen Math, Mathematics, Physics, Chemistry, Biology, Earth & Space Science (science with appropriate related training).
Computing Systems (Grade 8/Grade 9)	60002/10002	Professional license at grade level with verifiable computer training
Computer Applications (Grade 8/Grade 9)	60004/10004	Professional license at grade level with verifiable computer training

Health Science Pathway

CIP CODE: 51.3901

HEALTH SCIENCE PATHWAY 51.3901	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Anatomy and Physiology	03053	Biology, Health, Physical Education
Chemistry	03101	Chemistry
Introduction to Health Care	14000	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Fundamentals of Emergency Services	14055	Biology, Chemistry, Physical Education
Foundations of Rehab	14060	Health, Physical Education, Biology, or Chemistry
Care of Athletes	14062	Biology, Chemistry, Physical Education
Sports Medicine I	14072	Biology, Chemistry, Health, Physical Education
Sports Medicine II	14073	Biology, Chemistry, Health, Physical Education
Human Body Systems	14102	Biology, Health, Physical Education
Medical Imaging	14103	Health, Physical Education, Biology, or Chemistry
Principles of Phlebotomy	14104	Health, Physical Education, Biology, or Chemistry
Medical Interventions	14105	Biology, Chemistry, Health, or Health Sciences
Medical Terminology	14154	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Certified Patient Care Technician	14202	Biology, Chemistry, Health, Physical Education
Pharmacology	14253	Biology, Chemistry, Technology Education
Health Care Essentials I	14254	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Certified Nursing Assistant	14997	Biology, Chemistry, Health, Physical Education
Nutrition and Dietetics	19253	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Physical Education
Home Health Aide	36053	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Certified Medication Aide	36156	Biology, Chemistry, Health, Physical Education
Principles of Pharmacy	36157	Technology Education, Chemistry, Biology,
Health Care Essentials II	36254	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
EKG Techician	36991	Biology, Chemistry, Health, Physical Education

HEALTH SCIENCE PATHWAY 51.3901	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Health Care Work Experience I	36992	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Health Care Work Experience II	36993	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
EMS First Responder	44050	LPSS - Medical + KS Board of EMS Instructor Coordinator Certification*
EMT I	44060	LPSS - Medical + KS Board of EMS Instructor Coordinator Certification*
EMT II	44065	LPSS - Medical + KS Board of EMS Instructor Coordinator Certification*

* After January 1, 2022, the requirement of certified Instructor-Coordinator changed to "The sponsoring organization must select qualified instructors as determined by training and knowledge of subject matter; didactic and medical skills instructors must possess certification, registration, or licensure in the subject matter or medical skills being taught; nonmedical skills instructors must have technical training in and possess knowledge and expertise in the skill being taught; clinical instructors in a clinical health care facility must be a licensed physician or a licensed professional nurse; and field Agricultural Internship instructors in a prehospital EMS service must be an EMS provider certified at or above the level of training being conducted."

Family, Community and Consumer Services Pathway

CIP CODE: 44.0000

The Consumer and Personal Finance course (22210) for .5 credit will not be available within Pathways due to the new Financial Literacy graduation requirement.

FAMILY, COMMUNITY AND CONSUMER SERVICES PATHWAY 44.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Culinary Essentials	16052	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Introduction To Family and Consumer Sciences	19251	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Science, Home Economics Junior High
Nutrition and Dietetics	19253	Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Physical Education
Family Studies	19255	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Leadership Service In Action	19257	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Career and Life Planning	19258	Business Education Comprehensive, Business, Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Home Economics Junior High
Dimensions of Wellness	19250	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Foundations of Mental and Behavior Health	19260	Family and Consumer Sciences, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Workplace Experience in Human Services	19296	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences

EDUCATOR TYPE 5: CTE (GRADES 7-12) | HEALTH & HUMAN SERVICES

FAMILY, COMMUNITY AND CONSUMER SERVICES PATHWAY 44.0000	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Workplace Experience in Human Services - Comprehensive	19299	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Human Growth and Development - Early Years	45004	Family and Consumer Sciences, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics
Lifespan Development	45014	Health, Biology, General Science, Home Economics, Vocational Home Economics, Family and Consumer Sciences

MEDIA AND TECHNOLOGY

DIGITAL TECHNOLOGY CAREER CLUSTER DESIGN

Information Support and Services Pathway

CIP CODE: 11.0301

INFORMATION SUPPORT AND SERVICES PATHWAY 11.0301	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Foundations of Information Technology	10001	Professional license at grade level with verifiable computer training in area
Computing Systems (Grade 8/Grade 9)	60002/10002	Professional license at grade level with verifiable computer training in area
Computer Applications (Grade 8/Grade 9)	60004/10004	Professional license at grade level with verifiable computer training in area
CyberSecurity I	10020	Professional license at grade level with verifiable computer training in area
Information Support and Services I	10052	Professional license at grade level with verifiable computer training in area
Information Support and Services II	10097	Professional license at grade level with verifiable computer training in area
Work-based Learning in Information Support and Services	10098	Professional license at grade level with verifiable computer training in area
CyberSecurity II	10900	Professional license at grade level with verifiable computer training in area

Media Design and Communications Pathway

CIP CODE: 11.0801

MEDIA DESIGN AND COMMUNCATIONS PATHWAY 11.0801	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Graphic Design II	05162	Professional license at grade level with verifiable computer training in area
Introduction to Web and Digital Media	05254	Professional license at grade level with verifiable computer training in area
Computer Applications (Grade 8/Grade 9)	60004/10004	Professional license at grade level with verifiable computer training in area
Computer Programming	10152	Professional license at grade level with verifiable computer training in area
Applied Game Design	10165	Professional license at grade level with verifiable computer training in area
Web Design	10201	Professional license at grade level with verifiable computer training in area
2D Animation	10202	Professional license at grade level with verifiable computer training in area
Interactive Media	10203	Professional license at grade level with verifiable computer training in area
3D Animation	10210	Professional license at grade level with verifiable computer training in area

EDUCATOR TYPE 5: CTE (GRADES 7-12) | MEDIA & TECHNOLOGY

MEDIA DESIGN AND COMMUNCATIONS PATHWAY 11.0801	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Graphic Design Workplace Experience	10248	Business Education Comp, Business, Computer Studies, Technology Education, Library Media, Journalism, Mathematics or Professional license at grade level with verifiable computer training, Journalism
Drawing for Designers	30006	Art
Journalism and Media Communications	30100	Journalism
Principles of Illustration	30101	Art
Graphic Design I	30102	Business Education Comprehensive, Business, Art, Journalism, Industrial Arts Comp, Comprehensive Industrial Technology
Audio/Video Production I	30103	Speech Communication, Speech/Theatre, Speech/Theatre Arts, Journalism, Business Education Comprehensive, Business, Tech Ed
Digital Media Technology	30104	Speech Communication, Speech/Theatre, Speech/Theatre Arts, Business Education Comprehensive, Business, Art, Journalism
Photo Imaging	30105	Business Education Comprehensive, Business, Art, Journalism
Audio/Video Production II	30150	Speech Communication, Speech/Theatre, Speech/Theatre Arts, Journalism, Business Education Comprehensive, Business
Media Design and Production	30151	Speech Communication, Speech/Theatre, Speech/Theatre Arts, Business Education Comprehensive, Business, Art, Journalism
Applied Graphic Design	31090	Appropriate licensed or certified instructor at grade level with verifiable computer training related to project management
Advanced Media Design and Production	31091	Appropriate licensed or certified instructor at grade level with verifiable computer training related to project management
Web and Design Workplace Experience	31096	Professional license at grade level with verifiable computer training in area
Media and Public Relations	43115	Journalism, Speech Communication, Speech/Theatre, Speech/Theatre Arts, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Science, Business Education Comprehensive, Business, Agriculture, or Vocational Agriculture

Networking and Telecommunications Pathway

CIP CODE: 11.0901

NETWORKING AND TELECOMMUNICATIONS PATHWAY 11.0901	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Foundations of Information Technology	10001	Professional license at grade level with verifiable computer training in area
Computing Systems (Grade 8/Grade 9)	60002/10002	Professional license at grade level with verifiable computer training in area
Computer Applications (Grade 8/Grade 9)	60004/10004	Professional license at grade level with verifiable computer training in area
IoT Internet of Things	10006/60006	Professional license at grade level with verifiable computer training in area
Telecommunications	10106	Professional license at grade level with verifiable computer training in area
Network Systems I	10112	Professional license at grade level with verifiable computer training in area
Network Systems II	10147	Professional license at grade level with verifiable computer training in area
Telecom Workplace Experience	11048	Professional license at grade level with verifiable computer training in area
Applied Telecommunications	11049	Professional license at grade level with verifiable computer training in area
Digital Electronics	21008	Comp Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Physics, Earth and Space Science, Chemistry (sciences with appropriately related training)
GIS Technology	21058	Professional license at grade level with verifiable computer training in area
GIS Spatial Applications	21112	Professional license at grade level with verifiable computer training in area
Fundamentals of Electricity and Electronics	41170	Comprehensive Industrial Tech, Industrial Arts Comp, Tech Education, General Industrial Tech, General Mathematics, Mathematics, Agriculture, Physics, Earth and Space Science, Biology, Chemistry (math and sciences with appropriately related training)

Programming and Software Development Pathway

CIP CODE: 11.0201

PROGRAMMING AND SOFTWARE DEVELOPMENT PATHWAY 11.0201	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Computing Systems (Grade 8/Grade 9)	60002/10002	Professional license at grade level with verifiable computer training in area
Computer Applications (Grade 8/Grade 9)	60004/10004	Professional license at grade level with verifiable computer training in area
CyberSecurity I	10020	Professional license at grade level with verifiable computer training in area
Database Applications	10053	Professional license at grade level with verifiable computer training in area
Data Systems/Processing	10054	Professional license at grade level with verifiable computer training in area
Cybersecurity II	10900	Professional license at grade level with verifiable computer training in area
Computer Programming	10152	Professional license at grade level with verifiable computer training in area
Computer Programming - Other Languages	10156	Professional license at grade level with verifiable computer training in area
AP Computer Science A	10157	Professional license at grade level with verifiable computer training in area
IB Computing	10159	Professional license at grade level with verifiable computer training in area
Particular Topics in Computer Programming	10160	Professional license at grade level with verifiable computer training in area
Work-based Learning in Programming and Software Development	10198	Professional license at grade level with verifiable computer training in area
Web Design	10201	Professional license at grade level with verifiable computer training in area
Introduction to Computer Coding	31001	Professional license at grade level with verifiable computer training in area
Introduction to Physical Computing	31002	Professional license at grade level with verifiable computer training in area
AP Computer Science Principles	31094	Professional license at grade level with verifiable computer training in area
Technical Introduction to Computer Science	41010	Professional license at grade level with verifiable computer training in area

PUBLIC SERVICES

EDUCATION CAREER CLUSTER DESIGN

Teaching/Training Pathway

CIP CODE: 13.0101

NOTE: Must hold a traditional 4-yr education degree to teach pathway courses

TEACHING/TRAINING PATHWAY 13.0101	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Teaching as a Career	19151	Any standard secondary teaching license at the high school level plus 5 years of experience
Teaching Internship	19152	Any standard secondary teaching license at the high school level plus 5 years of experience
Coaching and Leadership	19154	Any standard secondary teaching license at the high school level plus 5 years of experience
Technology for Teachers	19155	Any standard secondary teaching license at the high school level plus 5 years of experience
Educational Leadership	19198	Any standard secondary teaching license at the high school level plus 5 years of experience
Introduction to Education	19199	Any standard secondary teaching license at the high school level plus 5 years of experience
Introduction to Family and Consumer Sciences	19251	Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Sciences
Family Studies	19255	Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Sciences
Career and Life Planning	19258	FACS, Home Ec Jr High, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Business Ed Comp
Teaching Observation	42251	Any standard secondary teaching license at the high school level plus 5 years of experience
Human Growth and Development - Early Years	45004	FACS, Home Ec Jr High, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec
Lifespan Development	45014	FACS, Home Ec Jr High, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec

Early Childhood Development and Services Pathway

CIP CODE: 19.0709

EARLY CHILDHOOD DEVELOPMENT AND SERVICES PATHWAY 19.0709	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Entrepreneurship	12053	Business Education Comp, Business, Family and Consumer Science, Home Economics
Orientation to Early Childhood Development	19051	Home Economics, Home Economics Voc St Apv Prog, Voc Home Econ, or FACS
Foundations to Early Childhood Development	19052	Home Economics, Family and Consumer Sciences
Early Childhood Applications	19098	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, or Family and Consumer Science
Introduction to Education	19199	Any standard secondary teaching license at the high school level plus 5 years of experience
Introduction To Family and Consumer Sciences	19251	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Science, Home Economics Junior High
Family Studies	19255	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Leadership Service in Action	19257	Home Economics, home Economics Voc St Apv Prog, Vocational Home Economics, Family and Consumer Sciences
Career and Life Planning	19258	Business Education Comp, Business, Family and Consumer Science, Home Economics, Home Economics Voc St Apv Prog, Voc Home Economics, Home Economics Junior High
Workplace Experience in Early Childhood Development	19301	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, or Family and Consumer Sciences
Workplace Experience in Early Childhood Development - Comprehensive	19302	Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics, or Family and Consumer Sciences
Teaching Observation	42251	Any standard secondary teaching license at the high school level plus 5 years of experience
Human Growth and Development - Early Years	45004	Family and Consumer Sciences, Home Economics Junior High, Home Economics, Home Economics Voc St Apv Prog, Vocational Home Economics

PUBLIC SERVICES AND SAFETY CAREER CLUSTER DESIGN

Government and Public Administration Pathway

CIP CODE: 44.0401

GOVERNMENT AND PUBLIC ADMINISTRATION PATHWAY 44.0401	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Government and Public Media Relations	04990	Business Ed Comp, Business, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Science, Political Science/Government, Social Studies Comp, History&Government
Business Management	12052	Business Ed Comp, Business, Economics, Business Economics, Business Law, General Business
Business Law	12054	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics
Accounting	12104	Business Education Comp, Business, Business Economics, Business Law, General Business, Economics, Math
Business Economics	12105	Business Education Comp, Business, Business Economics, General Business, Economics, History and Government, Social Studies Comp
Career and Life Planning	19258	Family & Consumer Science, Home Ec Jr High, Home Ec, Home Ec Voc St Apv Prog, Vocational Home Economics, Business Education Comp, Business
Career Connections	19298	Home Ec, Home Ec Voc St Apv Prog, Vocl Home Ec, Family and Consumer Sciences
Introduction to Government and Public Administration	43001	Business Ed Comp, Business, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Science, Political Science/Government, Social Studies Comp, History&Government
Government and Public Administration Fundamentals	43105	Business Ed Comp, Business, Home Ec, Home Ec Voc St Apv Prog, Voc Home Ec, Family and Consumer Science, Political Science/Government, Social Studies Comp, History&Government
Governance Applications	43250	Business Ed Comp, Business, Home Ec, Family & Consumer Science, Political Science/Government, Social Studies Comp, History&Government, Agriculture
IT for Service Professionals	44010	English, Business Education Comprehensive, Business, General Business
Practical Law	44300	History and Government, Social Studies Comp, History/ Government and Social Studies, Government
Foundations in Law	44305	History and Government, Social Studies Comp, History/ Government and Social Studies, Government
Legal Proceedings	44310	History and Government, Social Studies Comp, History/ Government and Social Studies, Government
Lifespan Development	45014	Health, Biology, General Science, Home Economics, Vocational Home Economics, Family and Consumer Sciences

Corrections, Security, Law and Law Enforcement Services Pathway

CIP CODE: 43.0199

CORRECTIONS, SECURITY, LAW AND LAW ENFORCEMENT SERVICES PATHWAY 43.0199	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Business Communications	12009	Business Education Comp, Business, General Business
Business Management	12052	Business Ed Comp, Business, Economics, Business Econ, Business Law, Gen Business
Business Law	12054	Business Ed Comp, Business, Business Econ, Business Law, Gen Business, Economics
Accounting	12104	Business Ed Comp, Business, Business Econ, Business Law, Gen Business, Economics
Business Economics	12105	Business Ed Comp, Business, Business Economics, Gen Business, Economics, History and Government, History/Government and Social Studies, Social Studies Comp
Introduction to Law, Public Safety, Corrections and Security (LPSCS)	44001	History and Government, Social Studies Comp, General Science, Biology, Government
EMS First Responder	44050	LPSS — Medical + KS Board of EMS Instructor-Coodinator Certification*
Hazardous Materials for the First Responder	44070	Chemistry (with related training in area), Fire Science+National/ State Fire Fighter Instructor Cert, or Medical+KS Board of EMS Instructor Coordinator Cert
Law Enforcement I	44200	History and Government, Social Studies Comp, Government
Law Enforcement II	44201	History and Government, Social Studies Comp, Government
Certified Protection Officer	44210	Any 9-12 content Area Teacher License with appropriate professional instructor certification
Corrections Officer	44215	History and Government, Social Studies Comp, General Science, Biology, Government
Forensic Science I	44225	General Science, Biology
Forensic Science II	44226	General Science, Biology
Practical Law	44300	History & Gov, Social Studies Comp, History/Gov & Social Studies, Government
Foundations In Law	44305	History & Gov, Social Studies Comp, History/Gov& Social Studies, Government
Legal Proceedings	44310	History & Gov, Social Studies Comp, History/Gov & Social Studies, Government
Work Experience in LPSCS	44298	History & Government, Social Studies Comp, General Science, Biology, Government

* After January 1, 2022, the requirement of certified Instructor-Coordinator changed to "The sponsoring organization must select qualified instructors as determined by training and knowledge of subject matter; didactic and medical skills instructors must possess certification, registration, or licensure in the subject matter or medical skills being taught; nonmedical skills instructors must have technical training in and possess knowledge and expertise in the skill being taught; clinical instructors in a clinical health care facility must be a licensed physician or a licensed professional nurse; and field Agricultural Internship instructors in a prehospital EMS service must be an EMS provider certified at or above the level of training being conducted."

Emergency and Fire Management Services Pathway

CIP CODE: 43.0299

EMERGENCY AND FIRE MANAGEMENT SERVICES PATHWAY 43.0299	KCC	TEACHING ENDORSEMENT OR TECHNICAL CERTIFICATE
Medical Terminology	14154	Biology, Chemistry, Family and Consumer Science, Health, Home Economics, Home Economics Voc St Apv Prog, Home Economics Vocational, Physical Education
Introduction to Law, Public Safety, Corrections and Security (LPSCS)	44001	History and Government, Social Studies Comp, General Science, Biology, Government
Introduction to Emergency Medical Services (EMS)	44005	History and Government, Social Studies Comp, General Science, Biology
EMS First Responder	44050	EMT or above, nurse or physician + KS Board of EMS Instructor-Coordinator Certification*
EMT I	44060	EMT or above, nurse or physician + KS Board of EMS Instructor-Coordinator Certification*
EMT II	44065	AEMT or above, nurse or physician + KS Board of EMS Instructor-Coordinator Certification*
Hazardous Materials for the First Responder	44070	Chemistry (with related training in area), Fire Science+National/State Fire Fighter Instructor Cert, or Medical+KS Borad of EMS Instructor Coordinator Cert
Fire Service Special Operations	44080	LPSS — Fire Science + National/State Fire Fighter Instructor Certification
Fire Science I	44100	LPSS — Fire Science + National/State Fire Fighter Instructor Certification
Fire Science II	44101	LPSS — Fire Science + National/State Fire Fighter Instructor Certification
Work Experience in LPSCS	44298	History & Government, Social Studies Comp, General Science, Biology, Government

* After January 1, 2022, the requirement of certified Instructor-Coordinator changed to "The sponsoring organization must select qualified instructors as determined by training and knowledge of subject matter; didactic and medical skills instructors must possess certification, registration, or licensure in the subject matter or medical skills being taught; nonmedical skills instructors must have technical training in and possess knowledge and expertise in the skill being taught; clinical instructors in a clinical health care facility must be a licensed physician or a licensed professional nurse; and field Agricultural Internship instructors in a prehospital EMS service must be an EMS provider certified at or above the level of training being conducted."

EDUCATOR TYPE 6

School Specialist

(Grades PRK-12)

SUBJECT AREA 96	SCHOOL SPECIALISTS	ENDORSEMENT(S)
96001	Library Media Specialist	Library Media Specialist
96002	Reading Specialist*	Reading Specialist
96003	School Counselor	School Counselor
96004	School Psychologist*	School Psychologist

* For information about the Science of Reading licensure requirements for PRK-6 educators, please visit https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

EDUCATOR TYPE 7

School Support
(Grades PRK-12)

Please note that for all subject areas in this section, completion of the performance assessment to advance to a professional license is not permitted.

SUBJECT AREA 93	SCHOOL SUPPORT	ENDORSEMENT(S)
91004	Director or Supervisor/Coordinator of Curriculum	Any standard license at grade level.
93002	Career Exploration or Character Education	Any standard license at grade level.
93003	Virtual Course Monitor	Any standard license at grade level.
93004	Homebound	Any standard license at grade level.
93005	In-School Suspension	Any standard license at grade level.
93006	Substitute - Contracted	Standard substitute or any standard license at grade level.
93008	Staff Development	Any standard license at grade level.
93009	Teacher Leader	Any standard license at grade level.
93010	Academic Coach	Any standard license at grade level.
93011	Full Release Mentor Teacher	Any standard license at grade level.

EDUCATOR TYPE 8

Leadership/Administration

SUBJECT AREA 91	LEADERSHIP/ADMINISTRATION	ENDORSEMENT(S)
91001	Assistant Principal*	Building Leadership, Building Administrator
91002	Assistant Superintendent	District Leadership, District School Administrator
91003	Assistant Director of SPED	District Leadership, Supervisor-SPED, Director of SPED, Program Leadership in SPED or {Building Leadership **AND** SPED endorsement}
91005	Director of SPED	District Leadership, Director of SPED
91007	Other Building Level Assistant Administrator*	Building Leadership, Building Administrator
91008	Other District Level Assistant Administrator	District Leadership, District School Administrator
91009	Principal*	Building Leadership, Building Administrator
91010	Superintendent	District Leadership, District School Administrator
91011	Building Level Supervisor - General Education*	Building Leadership, Supervisor-Content Area, Program Leadership (with verifiable content background), Building Administrator
91012	Building Level Supervisor/Coordinator - SPED*	District Leadership, Supervisor/Coordinator-SPED (2900), Director of SPED, Program Leadership or {Building Leadership **AND** SPED endorsement}
91014	District Level Supervisor/Coordinator-General Education	District Leadership, Supervisor-Content Area, Program Leadership (with verifiable content background), District School Administrator, Building Leadership
91015	District Level Supervisor/Coordinator-SPED	District Leadership, Supervisor/Coordinator-SPED (2900), Director of SPED, Program Leadership or {Building Leadership **AND** SPED endorsement}

* For information about the Science of Reading licensure requirements for PRK-6 educators, please visit https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements or in the Appendix.

APPENDIX

Acronyms

ACRONYM	DEFINITION
ASL	American Sign Language
B-K	Birth to kindergarten
B-3	Birth to grade 3
CIP	Classification of Instructional Programs
CTE	Career and Technical Education
EDCS	Educator Data Collection Systems
ELA	English Language Arts
ELL	English Language Learner
ESOL	English for Speakers of Other Languages
FACS	Family and Consumer Sciences
FCS	Family and Consumer Sciences
FVR	Fall Vacancy Report
KCCMS	Kansas Course Code Management System
K.S.A.	Kansas Statutes Annotated
KSBE	Kansas State Board of Education
KSDE	Kansas State Department of Education
LEA	Local Education Agencies
LERP	Limited Elementary Residency License
LPG	Licensed Personnel Guide
LPR	Licensed Personnel Report
LRL	Limited Residency License
LTAP	Limited Teacher Apprentice License
QPA	Quality Performance Accreditation
PE	Physical Education
Pre-K or PRK	Pre-kindergarten
PRK-6	Pre-kindergarten to Grade 6
PRK-12	Pre-kindergarten to Grade 12
SPED	Special Education
TECH ED	Technology Education
TL	Teacher Licensure

Reporting Timeline, Statutes and Regulations

The Licensed Personnel Guide is designed to assist employers and school district staff in answering questions regarding appropriate licensure for specific staff assignments. In you have questions regarding the type of endorsement required for a particular teaching assignment not listed in this publication, please keep the following in mind:

1. Pre-kindergarten (pre-K) to grade 12 educators working in schools should be licensed at the level and endorsed in the content area appropriate for the assignment.
2. Teachers providing direct instruction should have a content assignment and be licensed accordingly.
3. Charter and virtual school personnel should be licensed at the level and endorsed in the content area appropriate for the assignment. All charter and virtual schools have building numbers and personnel assigned to these buildings should be accurately reported.
4. Educators holding an Elementary Education Kindergarten to Grade 6 or pre-K–6 endorsement are authorized to teach mathematics, English language arts (ELA), science, and history/government/social studies (HGSS) to middle school students through grade 6. Educators holding an Elementary Education K–grade 9 endorsement are authorized to teach mathematics, ELA, science, and HGSS to middle school students through grade 8.
5. Persons with secondary content endorsements at the grades 7-12 level will be allowed to teach that content subject only to grades 6-8 in a middle school. Teachers with secondary content endorsements cannot teach in an elementary setting. Middle School (grades 5-8) is appropriate for elementary grades 5-6 levels.
6. Completion of a verified mentoring program is a State Board of Education requirement to upgrade to the professional license. Mentoring completed while holding a substitute license will not be accepted. Mentoring completed while holding a waiver, pre-service or non-standard license may be accepted, but to upgrade one must also have a year of accredited experience teaching in an area of endorsement.
7. Please make sure the data entered in this report is accurate. This data determines mentor payment requests as well as other State and Federal reporting requirements.

The courses available on your Licensed Personnel Report are linked to the mapping your district completed through the Kansas Course Code Management System. If you have not completed the Kansas Course Code mapping, you will need to do so prior to completing your Licensed Personnel Report.

If you have licensure questions, please contact an education program consultant on the Teacher Licensure Team. Contact information can be accessed at in the Staff Directory * under Teacher Licensure on the KSDE.gov website.

* https://www.ksde.gov/footer-pages/contact-ksde/staff-directory

NOTES AND MISCELLANEOUS INFORMATION

1. For each assignment, enter the corresponding number of classes. In general, an elementary self-contained assignment will be entered as one class. In middle schools and high schools, teachers should have multiple classes. Specialist or administrator assignments should be counted as one class.

2. Please refer to the CIP funding code for CTE assignments. Questions about approved funding codes should be directed to:

   CTE/Pathways Help Desk
   Phone: (785) 296-4908
   Email: pathwayshelpdesk@ksde.gov

3. Service centers, cooperatives, and interlocals are expected to complete the Licensed Personnel Report. If a teacher works in multiple buildings, an assignment and class count will need to be entered for each. The shared staff function should be used to report staff in multiple LEAs.

Reporting Timeline

DATE	ITEM
Late July	Educator Data Collection System (EDCS) web application available on the KSDE secure website
Late September	Fall Vacancy Report (FVR) due (found in EDCS web application)
Early January	First date for school districts to submit information to the Licensed Personnel Report (LPR)
Early March	Last Date for school districts to make edits and submit the LPR
Mid March	Audit check to verify accuracy of data

Statutes and Regulations

K.S.A. 72-2159:

"It shall be unlawful for the board of education of any school district to issue an order for payment of the salary of any certified employee who does not hold a certificate which is valid in the state of Kansas for the particular kind of work to be performed."

Kansas State Board of Education Accreditation Regulation 91-31-34 (b) (1):

"In filling positions for which a license or certificate is issued by the state board, each school district shall employ persons who hold licenses or certificates with specific endorsements for the positions held."

Educator Types and Subject Areas

EDUCATOR TYPE 1: ELEMENTARY/PRE-SCHOOL (GRADES EARLY CHILDHOOD - 6)

SUBJECT AREA	EDUCATOR TYPE
80	Elementary Self-Contained
81	ELA (Elementary)
82	Mathematics (Elementary)
83	Life and Physical Science (Elementary)
84	Social Sciences and History (Elementary)
85	Fine and Performing Arts (Elementary)
86	World Language and Fine Arts (Elementary)
87	Religious Education and Theology (Elementary)
88	Physical, Health, and Safety Education (Elementary)
89	Early Childhood
90	Computer and Information Science (Elementary)
92	Miscellaneous (Elementary)

EDUCATOR TYPE 2: MIDDLE SCHOOL (GRADES 5-8)

SUBJECT AREA	EDUCATOR TYPE
51	ELA (Middle)
52	Mathematics (Middle)
53	Life and Physical Science (Middle)
54	Social Sciences and History (Middle)
55	Fine and Performing Arts (Middle)
56	World Language and Literature (Middle)
57	Religious Education and Theology
58	Physical, Health, and Safety Education (Middle)
59	Military Science (Middle)
60	Computer and Information Science (Middle)
61	Communication and Audio/Visual Technology (Middle)
62	Business and Marketing (Middle)
63	Manufacturing (Middle)
64	Health Care Sciences (Middle)
65	Public, Protective, and Government Services (Middle)
66	Hospitality and Tourism (Middle)
67	Architecture and Construction (Middle)
68	Agriculture, Food, and Natural Resources (Middle)
69	Human Services (Middle)
70	Transportation, Distribution, and Logistics (Middle)
72	Miscellaneous (Middle)

EDUCATOR TYPE 3: SECONDARY

SUBJECT AREA	EDUCATOR TYPE
01	ELA
02	Mathematics
03	Life and Physical Sciences
04	Social Sciences and History
05	Fine and Performing Arts
06	World Language and Literature
07	Religious Education and Theology
08	Physical, Health, and Safety Education
09	Military Science
10	Computer and Information Sciences
11	Communication and Audio/Visual Technology
12	Business and Marketing
13	Manufacturing
14	Health Care Sciences
15	Public, Protective, and Government Services
16	Hospitality and Tourism
17	Architecture and Construction
18	Agriculture, Food, and Natural Resources
19	Human Services
20	Transportation, Distribution, and Logistics
21	Engineering and Technology
22	Miscellaneous

ADDITIONAL EDUCATOR TYPES

Educator Type 8: Leadership/Administration (PRK-12)

SUBJECT AREA	EDUCATOR TYPE
91	Leadership/Administration

Educator Type 6: School Specialist (PRK-12)

SUBJECT AREA	EDUCATOR TYPE
96	School Specialist

Educator Type: 7 School Support (PRK-12)

SUBJECT AREA	EDUCATOR TYPE
93	School Support

Educator Type 4: SPED (SPED)/English to Speakers of Other Languags (ESOL) (PRK-12)

SUBJECT AREA	EDUCATOR TYPE
94	SPED/ESOL
95	Must select additional SPED/ESOL type (e.g., High Incidence, Low Incidence, etc.)

Out-of-State Applicants

Teaching in Kansas requires a Kansas license issued through the Kansas State Board of Education. **You cannot teach in Kansas based on an out-of-state license or certificate.** Kansas license must be obtained before teaching in Kansas. If all requirements for Kansas licensure have not been met, it may be possible for an individual to obtain a Temporary One-Year Nonrenewable License, or a Transitional License during which time they can complete any unmet Kansas requirements. Kansas licensure is based on completion of approved teacher education programs unless a state is member of the Interstate Teacher Mobility Compact: Compact Map – Teacher Compact or experience requirements are met as prescribed in K.S.A 48-3406.

Nontraditional Pathways

Restricted Teaching License and Alternative Pathways

This pathway is for an individual who holds an accredited bachelor's degree in a secondary education content area or holds an accredited bachelor's degree and is a heritage world language speaker. This pathway provides an opportunity for an individual to enroll in a state-approved educator preparation program, pass the required Praxis content exam, and teach while completing professional education pedagogy coursework to become a fully licensed teacher. This license is only available for secondary content areas (middle and high school) and all level subjects of art, health and physical education, music, and world language. This license is valid only in the district in which the individual is hired.

Limited Residency License (LRL)

This pathway is for an individual who holds an accredited bachelor's degree and at least one year of special education paraprofessional experience. The pathway provides an opportunity for an individual to enroll in a state-approved educator preparation program, complete an initial prescribed set of program coursework (six credit hours), and teach while completing remaining professional education pedagogy coursework to become a fully licensed teacher. The license endorsements are either high-incidence special education or low-incidence special education. This license is valid only in the district in which the individual is hired.

Limited Teacher Apprentice License (LTAP)

This pathway is for an individual who currently serves as an elementary and/or special education paraprofessional at the early childhood to 6th grade level. This pathway provides an opportunity for an individual who holds an accredited bachelor's degree or does not hold a bachelor's degree to enroll in a state-approved educator preparation program to become a fully licensed teacher. This program is offered at two state-accredited institutions. The route allows one the option to qualify for a LTAP license once a prescribed set of coursework is completed. If the individual chooses to apply for a LTAP license, the individual will teach while completing the remaining professional education pedagogy coursework. This license is valid only in the district in which the individual is hired. If the educator opts out of the LTAP license route, she/he must continue to serve as a paraprofessional while the program is completed.

Limited Elementary Residency License (LERP)

This pathway is for an individual who holds an accredited bachelor's degree. The pathway provides an opportunity for an individual to enroll in a state-approved educator preparation program, complete an initial prescribed set of program coursework (six credit hours), and teach while completing the remaining professional education pedagogy coursework to become a fully licensed teacher. The license endorsement is pre-k-sixth-grade elementary education. This license is valid only in the district in which the individual is hired.

Early Childhood Programs/Settings Acceptable as "Accredited Experience" Related to Licensure Upgrade/Renewal

Experience in the following settings may be applicable for license renewal or upgrade **if the teacher holds the appropriate license for the assignment** (early childhood, early childhood handicapped, early childhood unified).

A. Early Childhood Programs Associated With an Accredited School District (USD)

1. Title I preschool; State Pre-K (formerly the 4-year-old at-risk program); district preschool (Kansas Preschool Program or any USD-administered general-education preschool); Parents as Teachers; or Individuals with Disabilities Education Act (IDEA) Part B/619 services (early childhood special education).

B. Kansas Infant-Toddler/tiny-k/IDEA Part C

1. A program administered by the Kansas Department of Health and Environment (KDHE) that provides early intervention services to infants and toddlers with disabilities and their families and is approved as a tiny-k provider (IDEA Part C/Early Intervention Program*).

C. Regular (General) Education Early Childhood Programs

1. Kansas Department of Health and Environment–licensed preschool or child care center facility that meets at least one of the following criteria:
   i. Lead teacher or program director in an established licensed preschool who is supervised by an administrator under a formal evaluation system and uses an evidence-based developmentally appropriate curriculum.
   ii. Lead teacher or program director in an established licensed child care center who is supervised by an administrator under a formal evaluation system and that has an evidenced-based developmentally appropriate curriculum.
   iii. Preschool or child care center accredited by the National Association of the Education of Young Children (NAEYC).

   NOTE: Experience in licensed day care or group day care home will not count.

2. Federally Approved Programs:
   i. Head Start
   ii. Early Head Start
   iii. Programs located on military installations or reservations in Kansas.

3. Elementary: pre-kindergarten through grade 3.

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* The Kansas Department of Health and Environment (KDHE) updates its approved list annually. The list is available at https://www.kdhe.ks.gov/677/Kansas-Early-Childhood-Developmental-Ser.

Use of Substitute Teachers

Accreditation Regulation 91-31-34. Board of Education Requirements:

a. General. Each local board of education shall assure that each school meets the requirements of this regulation.

b. Staff.

1. In filling positions for which a certificate/license is issued by the state board, each school shall employ persons who hold certificates/licenses with specific endorsements for the positions held.
2. If a teacher holding an appropriate certificate/license is not available, a school district shall use a substitute teacher holding a valid Kansas teacher or administrator certificate/license at any level or in any field or subject. A school district shall not allow any person holding a Kansas teaching certificate/license to substitute teach for more than 125 days in the same assignment.
3. If a substitute teacher holding a valid Kansas teacher or administrator certificate/license is not available, a school district shall use a substitute teacher holding a valid Kansas substitute teaching certificate/license. A school district shall not allow a person holding a substitute teaching certificate/license to teach for more than 90 days in the same assignment.
4. If a substitute teacher holding a valid Kansas substitute teaching certificate/license is not available, a school district shall use a person who holds a baccalaureate degree and an emergency substitute teacher license. A school district shall not allow a person who holds a baccalaureate degree and an emergency substitute teacher license to teach for more than 45 days in the same assignment.
   (A) If a person holding a baccalaureate degree and an emergency substitute teaching license is not available, a school district shall use a person who has been licensed by the state board as an emergency substitute teacher. A school district shall not allow any person who does not hold a baccalaureate degree to teach for more than 25 days in the same assignment or more than 60 days in a semester.
   (B) If a local school board can demonstrate, in writing, an insufficient supply of substitute teachers, the board may appeal to the commissioner of education for authority to allow individuals holding an emergency substitute teaching license based on completion of 60 semester credit hours to continue to teach for an additional length of time not exceeding.
5. If the state board of education has declared a time of emergency, any person holding a five-year substitute teaching certificate/license or an emergency substitute teaching license with a baccalaureate degree may teach for the duration of the time of emergency in a position made vacant by reason of the emergency.
6. Each school shall report the names of each certified/licensed staff member on the licensed personnel report or the supplemental licensed personnel report required by the state board. Each certified/licensed personnel staff change that occurs between September 15 and the end of the school year shall be reported on a form prescribed by the state board within 30 days after the staff change.

Note: S.B.R.91-1-203(e) allows an emergency substitute license to be issued to any applicant who has completed at least 60 semester hours of college credit from an accredited college, submitted an application and fee, and been recommended for licensure as an emergency substitute teacher by a local education agency administrator and the president of the local education agency governing board.

Licensure Review Committee

The Licensure Review Committee is authorized by S.B.R. 91-1-211 to consider appeals from applicants who do not meet regulation requirements, but who do meet certain criteria for forwarding an appeal for consideration. The Commissioner of Education refers appeals to the review committee for consideration. Submission of the appropriate documentation is a requirement for referral by the Commissioner to the Licensure Review Committee. Application does not guarantee that the case will be referred to the review committee.

If the case is referred to the Licensure Review Committee, the application, supporting evidence and documentation will be considered. The applicant is not present during this initial review. The Licensure Review Committee will make a recommendation for approval or denial of the request based on this paper review of the appeal. Applicants will receive written notification of the Committee's recommendation. If the Committee recommends denial of the appeal, the applicant will be given the opportunity to be present at the next available hearing to further appeal their case. Recommendations of the Review Committee are forwarded to the State Board of Education for their final action on the appeal. State Board action will take place at the first available State Board meeting. The applicant will be notified in writing of the decision of the State Board of Education and a license will be issued if appropriate.

Applications will be processed for consideration for the next available meeting date on a first-come, first-served basis.

Specific questions about the Licensure Review Committee should be directed to Joe Midgley, joe.midgley@ksde.gov.

Criteria for forwarding appeals for consideration to the Licensure Review Committee

1. Applicant has achieved full standard certification/licensure in another state through an alternative route to certification/licensure (i.e., through a means other than the traditional university delivered system).

   OR

2. Applicant has appropriate equivalent experiences to be considered as a substitute for experiences as defined by regulation

   OR

3. Applicant is certified/licensed in another state, has accredited experience in the licensure area, but does not qualify for Kansas licensure because Kansas regulation requires that the applicant hold a valid Kansas professional teaching license (library media; school counselor; reading specialist).

   OR

4. Applicant is completing an approved program out-of-state and is seeking a conditional license, but does not meet Kansas regulation requirements for the license because their program is established differently than Kansas approved programs. (School psychology programs where the degree is not granted until after the internship is completed).

   OR

5. The applicant has documented extreme extenuating circumstances that did not allow them to meet regulation requirements.

Provisional Endorsements

Two-year provisional endorsements are available in certain content areas for individuals who already hold or are eligible for a Kansas license in another content area. This type of license is authorized by 91-1-203K. The applicant must be employed in the endorsement area of the provisional license before it can be issued or renewed. To determine if an educator is eligible for a provisional endorsement, the educator must contact the Licensure Officer of a teacher education institution with an approved program in a subject area allowing a provisional endorsement. Refer to the Directory of Approved Professional Educational Programs* to determine the colleges that offer the desired program. The chart in this manual also lists areas in which provisional endorsements are available.

To qualify for the first two-year provisional teaching license the applicant must:

1. Hold a valid conditional or professional license at the appropriate grade level. Some exceptions may be allowed for all level endorsements.
2. Verify completion of 50 percent of the approved teacher education program in the requested endorsement area;
   a. SPED provisional endorsements require completion of course work in the areas of characteristics, methods and a practicum. 50 percent of the program is not required.
3. Have a deficiency plan from the licensing officer of a teacher education institution listing the course requirements to complete the full endorsement program;
4. Verify employment and assignment to teach in the provisional endorsement area.

The provisional endorsement may be renewed for an additional two years upon completion of 50 percent of the deficiency plan and verification of continued employment.

School Specialists

School Specialist Programs include:

- Library Media Specialist
- Reading Specialist
- School Counselor

To qualify for the first two-year provisional school specialist endorsement, the applicant must:

1. Hold a currently valid professional teaching license (applies to Library Media and Reading Specialist only).
2. Verify completion of 50 percent an approved school specialist program.
3. Have a deficiency plan from the licensing officer of a teacher education institution listing the course requirements to complete the school specialist program.
4. Verify employment and assignment in the school specialty endorsement area.
5. Provisional school counselor endorsements require supervision of a licensed school conselor.

AREAS WITHOUT PROVISIONAL ENDORSEMENTS

Provisional endorsements are **NOT** available in the following areas:

- Elementary (EC-LC Generalist)
- School Psychologist
- Building Leadership
- District Leadership

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* KSDE. *Approved Educator Preparation Programs by Content Area*. https://www.ksde.gov/licensure/higher-education/approved-educator-preparation-programs

Licensure Waivers

S.B.R. 91-31-34 allows a school accredited through the Quality Performance Accreditation (QPA) System to request a licensure waiver to assign an individual to teach in a subject or at a grade level not authorized by the educator's Kansas teaching license. The intent of a licensure waiver is to allow a school district to utilize the expertise of teaching staff to meet the educational needs of students. Waivers may be granted for one academic year and are subject to approval by the State Board of Education. If an individual has a deficiency plan to achieve licensure in the field in which the waiver is requested and is making the required progress on that plan, one-year renewals of the waiver may be requested by the school district for two succeeding school years. The following criteria are used to evaluate requests for a licensure waiver.

Form 16 - Accreditation Licensure Waiver is now an online process. To start the online application process, go to https://apps.ksde.gov. Waiver applications will be accepted between August 1 and February 1 each year. Applications received after February 1 will be returned.

Waiver Criteria

Appropriate Licensure of Staff

1. The teacher must have one of the following valid Kansas Teaching Certificates or Licenses on file with the Kansas Department of Education:
   a. Initial License
   b. Professional License
   c. Transitional License
   d. Considered on individual basis one of the following:
      i. One-Year Nonrenewable License
      ii. Interim Alternative License
2. Substitute or Restricted licenses will not qualify for waiver consideration.
3. The teacher must not be eligible for a provisional endorsement in the waiver area.
4. The teacher must not be eligible for review by the Licensure Review Committee for the requested endorsement area.
5. A waiver request is required if any portion of an assignment is outside the area of endorsement.
6. If granted, the waiver is effective for the academic year in which issued. Waivers are not effective until a valid certificate or license is in force as listed in #1 above.
7. Waiver applications must be received in the office of Teacher Education and Licensure, Kansas State Department of Education by November 1. If a district hires or reassigns a person requiring a waiver after the start of the school year, and the individual cannot meet the current enrollment requirement until the second semester, the completed waiver request must be submitted by February 1 of the current academic year.
8. The applying district must submit a complete waiver application electronically before the waiver application will be reviewed.
9. All appropriate documentation must be kept on file, as KSDE will conduct an annual, random audit of all waiver applications.

Endorsement Chart with License Levels

Provisional and Waiver Options

NAME OF ENDORSEMENT	LICENSE LEVEL	PROVISIONAL AVAILABLE	WAIVER AVAILABLE	ENDORSEMENT BY TESTING ONLY
Early Childhood Unified (ECU)	Birth – Grade 3	Yes	Yes, if teacher holds a license with endorsement in elementary education.	No
Elementary (EC-LC Generalist)	Pre-K- Grade 6	No	No	No
History Comprehensive	5-8	Yes	Yes	Yes
Science	5-8	Yes	Yes	Yes
ELA (Middle)	5-8	Yes	Yes	Yes
ELA	6-12	Yes	Yes	Yes
Mathematics (Middle)	5-8	Yes	Yes	Yes
Advanced Mathematics	6-12	Yes	Yes	Yes
Biology	6-12	Yes	Yes	Yes
Business	6-12	Yes	Yes	Yes
Chemistry	6-12	Yes	Yes	Yes
Physics	6-12	Yes	Yes	Yes
Earth and Space Science	6-12	Yes	Yes	Yes
Agriculture	6-12	Yes	Yes	Yes
FCS	6-12	Yes	Yes	Yes
History and Government	6-12	Yes	Yes	Yes
Journalism	6-12	Yes	Yes	Yes
Psychology	6-12	Yes	Yes	Yes
Speech/Theatre	6-12	Yes	Yes	Yes
Technology and Engineering Education	6-12	Yes	Yes	Yes
Art	PRK-12	Yes	Yes	Yes
French	PRK-12	Yes	Yes	Yes
German	PRK-12	Yes	Yes	Yes
Latin	PRK-12	Yes	Yes	Yes
Russian	PRK-12	Yes	Yes	No
Spanish	PRK-12	Yes	Yes	Yes
Japanese	PRK-12	Yes	Yes	Yes
Chinese	PRK-12	Yes	Yes	Yes
Other World Language	PRK-12	Yes	Yes	No
ESOL	PRK-12	Yes	Yes	Yes
Health	PRK-12	Yes	Yes	Yes
PE	PRK-12	Yes	Yes	Yes
Music	PRK-12	Yes	Yes	Yes
Instrumental Music	PRK-12	Yes	Yes	Yes
Vocal Music	PRK-12	Yes	Yes	Yes

NAME OF ENDORSEMENT	LICENSE LEVEL	PROVISIONAL AVAILABLE	WAIVER AVAILABLE	ENDORSEMENT BY TESTING ONLY
Adaptive SPED/High Incidence	PRK-12	Yes	Yes	No
Functional SPED/Low Incidence	PRK-12	Yes	Yes	No
Visually Impaired	PRK-12	Yes	Yes	No
Deaf or Hard of Hearing	PRK-12	Yes	Yes	No
Gifted	PRK-12	Yes	Yes	No
School Psychologist	PRK-12	No	No	No
Library Media	PRK-12	Yes*	Yes*	No
School Counselor	PRK-12	Yes	No	No
Reading Specialist	PRK-12	Yes*	Yes*	No
Program Leadership	PRK-12	No	No	No
Building Leadership	PRK-12	No	No	No
District Leadership	PRK-12	No	No	No

* Yes, if teacher holds a professional license.

Science of Reading Licensure Requirements

For the most current information regarding the Science of Reading Licensure Requirement, please visit: Science of Reading Licensure Requirements.*

Beginning July 1, 2028, Kansas veteran educators serving in the positions listed below will be required to demonstrate knowledge of the science of reading to renew their professional license.

This knowledge may be demonstrated by completing state-approved training or passing a state-approved literacy exam.

- Elementary Reading/English Language Arts teacher.
- Elementary History Government and Social Studies teacher.
- Elementary Special Education teacher.
- Elementary School Psychologist.
- Elementary Reading Specialist.
- Elementary Administrator.

Note: As it pertains to licensure, elementary indicates grades PRK-6. When elementary is referenced grades PRK-6 are implied.

Assignments reported in the Licensed Personnel Report will determine the following:

1. Who is required to meet the Science of Reading and Licensure Requirement.
2. If the educator completed the appropriate training aligned to her/his assignment when the training was completed.

The course codes identified below will be verified.

Elementary Reading/English Language Arts teacher:

- Assignments 80001, 80002, 81003-81250.
- Assignment 89001 for PreK education only.

Elementary History Government and Social Studies teacher:

- Assignments 80001, 80002, and 84001-84050.
- Assignment 89001 for PRK education only.

Elementary Special Education teacher:

- Assignments 94001-94018 and K-6 selected.

Elementary School Psychologist:

- Assignment 96002 and grades PRK-6 selected.

Elementary Reading Specialist:

- 96004 and grades PRK-6 selected.

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* KSDE.gov. *Science of Reading Licensure Requirements*. https://www.ksde.gov/licensure/teacher-licensure/science-of-reading-licensure-requirements

Elementary Administrator:

- Assignments 91001, 91007, 91009, 91011, and 91012 and grades PRK-6 selected.

SPECIFIC TRAINING REQUIREMENTS

Certain trainings are identified for administrators and early childhood educators. To add the Seal of Literacy based on specific training completion, educators must serve in positions eligible for training.

- **Administrator Training**: Must serve in one of the following positions at the time of training completion: Assignments 91001, 91007, 91009, 91011, 91012; grades PRK-6 selected.
- **Early Childhood Training**: Must serve in one of the following assignments: Assignment 89001 or PreK grade level only; Assignments 80001, 80002, 81003-81250, 84001-84050, 94001-94018.

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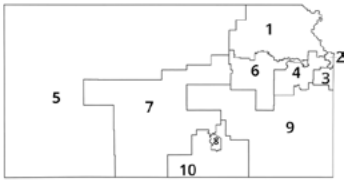

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To prepare Kansas students for lifelong success through rigorous, quality academic instruction, career training and character development according to each student's gifts and talents.

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Kansas leads the world in the success of each student.

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SUCCESS DEFINED

A successful Kansas high school graduate has the

- Academic preparation,
- Cognitive preparation,
- Technical skills,
- Employability skills and
- Civic engagement

to be successful in postsecondary education, in the attainment of an industry recognized certification or in the workforce, without the need for remediation.

OUTCOMES

- Social-emotional growth
- Kindergarten readiness
- Individual Plan of Study
- Civic engagement
- Academically prepared for postsecondary
- High school graduation
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Kansas leads the world in the success of each student.

July 1, 2025

For more questions, feedback or concerns please contact:

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