

KY Valid Course List

HOW TO USE THIS DOCUMENT

This document contains a listing of course descriptions and parameters along with certifications that fit the parameters for a given course. The grade range and population information listed for each course are not absolute. Please choose the course that most closely represents the students in a given course.

EXAMPLE

John Q Middle School had 5th, 6th, and 7th grade students taking a Creative Art course. This course would be linked to course number **500711: Creative Art – Comprehensive**, which shows with a recommended grade range of 6th – 12th.

The courses listed in this document are not meant to replace the course titles and course numbers already in use at the school level. Schools will link their courses on the Infinite Campus “Course Master” tab OR in the “Course” tab to courses listed in this document.

Schools may have created courses that are very unique in order to meet students’ needs. If a course does not meet the definition or content of one contained in this document, please use course number **909999: School Defined Course**, and code the correct content through the LEAD report.

CERTIFICATIONS

It is important to note that the certificates listed are the ones that fit **ALL** of the parameters for a specific course – there may be other certificates that can teach it with slightly more restrictive parameters.

It is very important to note that not all of the certificates listed under a specific course will meet the Highly Qualified Teacher standards as defined by The No Child Left Behind Act of 2001. Please refer to the Highly Qualified guidance documents located on the Education Professional Standards Board (EPSB) website at <http://www.epsb.ky.gov/nclb.asp>.

In addition to Highly Qualified considerations, please take note of the following information from **The Kentucky Core Academic Standards** with regard to middle school courses that are offered for high school credit.

High School Credit Earned in Middle School

It is expected that most students will earn these credits during their high school years. However, local school districts may offer these courses to middle level students if the following criteria are met:

- the content and the rigor of the course is the same as established in the *Kentucky Core Academic Standards*
- the students demonstrate mastery of the middle level content as specified in the *Kentucky Core Academic Standards*
- the district has criteria in place to make reasonable determination that the middle level student is capable of success in the high school course
- **the middle level course is taught by teachers with either secondary or middle level certification with appropriate content specialization**

Although middle level courses list the Provisional and Standard Elementary Certificates, Grades 1-8 as allowable under the parameters of these courses, they will not meet the above requirements for courses that are offered for high school credit.

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Please contact Robin Chandler, policy advisor for the Office of Next Generation Learners in KDE, at 502-564-2106 with any questions on content and curricula.

Please contact EPSB’s Division of Certification at 502-564-4606 with any questions on credentials or permissions.

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Agricultural Education Program Area (010000)

This program area consists of courses that prepare students for successful careers and a life time of informed choices in the global food, fiber, and natural resources system.

Agricultural Education - Agribusiness (010100)

Career Major- A group of courses that prepare individuals in agribusiness, including applying scientific methods and skills of finance, management practices, marketing, economics accounting taxes, business principles, inventory, and personal management. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

010101 - Advanced Agricultural Economics and Agribusiness Management

Grade Level: 10 - 12

Credits: 1

Description: Describes the theories, principles of sound business and economics practices, including marketing, finance, record keeping, inventories, personal management, tax laws, labor management, future trading, etc.

Content: Agriculture

Population: General

010102 - Special Topics, Agribusiness

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Agribusiness but not described in other courses.

Content: Agriculture

Population: General

010111 - Agriculture Sales & Marketing

Grade Level: 9 - 12

Credits: 1

Description: A course that describes theories, principles of sound sales and marketing practices including customer relations, displays, advertising, marketing plans, etc.

Content: Agriculture

Population: General

010121 - Agriculture Employability Skills

Grade Level: 9 - 12

Credits: 1

Description: A course that describes theories, principles and the application of sound employability skills, including writing resumes, job interview skills, competing applications, dress, appearance, communication skills, etc.

Content: Agriculture

Population: General

010131 - Agribusiness/Farm Management

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the application of farm and business management principles including marketing, financial management, economics, record keeping, inventories, futures trading, labor management, etc.

Content: Agriculture

Population: General

Agricultural Education - Power, Structural and Technical Systems (010200)

Career Major: A group of courses that prepare individuals for mechanics and engineering for Agriculture, including design, construction, operation, maintenance, repair, sales and service and marketing machinery, equipment and structures. Any course not found under this career major/sub code, may be found in another career major/sub code within this program.

010211 - Agriculture Structures & Design

Grade Level: 9 - 12

Credits: 1

Description: A course that describes theories, principles, the application of design and construction of agriculture structures. Includes principles of carpentry, electricity, plumbing, reading blueprints, use and care of tools, safety, etc.

Content: Agriculture

Population: General

010212 - Agriculture Power & Machinery Operation

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the application of operating, repairing, and maintaining agriculture machinery and equipment. Includes principles of engines, hydraulics, welding, electricity, motor, and safety.

Content: Agriculture

Population: General

010231 - Small Power & Equipment

Grade Level: 9 - 12

Credits: 1

Description: A course that describes theories, principles, and the application of operating, repairing, maintaining of power equipment and small engines. Includes welding, sales, marketing and safety.

Content: Agriculture

Population: General

010241 - Agriculture Construction Skills

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles, and the application of construction of Agricultural related. Includes principles of carpentry, electricity, plumbing, material selection, use and care of tools, safety, etc

Content: Agriculture

Population: General

010252 - Special Topics, Ag. Power, Structural & Technical Systems

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Ag. Power, Structural & Technical Systems but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Communication and Leadership (010400)

Career Major: A Group of Course that prepares students for careers in fields of education, communication & leadership in Agricultural areas.

010452 - Special Topics, Ag. Ed. Communication & Leadership

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Ag. Ed. Communication & leadership but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Horticulture and Plant Science Systems (010600)

Career Major: A group or courses that prepare individuals in producing, processing, and marketing plants for ornamental, recreational, and aesthetic purposes and to maintain and manage horticulture enterprises. Introduces the theory, principles and science of horticulture. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

010621 - Floriculture & Floral Design

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the science of floral production, design and distribution.

Content: Agriculture

Population: General

010630 - Landscape Design

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course introduces the principles of landscape design. Topics include: identification and use of drawing equipment; lettering and architects scale; designing deciduous and evergreen trees as symbols and in group plantings; designing deciduous and evergreen hedges; designing brick, concrete and flagstone sidewalks; and designing fence patterns, walls, driveways and ground cover beds; needs and site analysis.

Content: Agriculture

Population: General

010631 - Landscape & Turf Management

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the science of Landscaping and Turf Management. Includes design and drawing, choosing plant materials, maintenance, marketing, etc.

Content: Agriculture

Population: General

010632 - Turf Management Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course focuses on the application of types of turf and the identification and control of insects, weeds, and diseases. It includes the calibration of seeding, spraying and fertilizing equipment; preparation of maintenance schedules for turf and seeding; and renovation techniques. Additional tasks are assigned as the season dictates.

Content: Agriculture

Population: General

010633 - Landscape Maintenance

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course is an introduction to pruning, planting, fertilizing and mulching techniques used in landscape maintenance. Experiences in the calculation of materials needed and associated cost are included. A plant material list with an estimate of cost is developed.

Content: Agriculture

Population: General

010634 - Landscape Design Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course introduces the use of tools, equipment, procedures, supplies and safety issues related to landscape design. Additional tasks are assigned as the season dictates.

Content: Agriculture

Population: General

010635 - Nursery Management

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course provides an introduction to the nursery industry. It includes information on soils, plant growth, nutrition and propagation methods; comparison of field and container growing practices; comparison of pest control methods; storing, grading and marketing nursery stock and the importance of keeping records and accounts.

Content: Agriculture

Population: General

010636 - Landscape Maintenance Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course includes advanced equipment, technology, and safety issues related to landscape maintenance. Students calculate and formulate various types of pesticides, fertilizers, and IPM systems used in maintaining the landscape. Additional tasks are assigned as the season dictates.

Content: Agriculture

Population: General

010637 - Nursery Management Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course introduces the use of tools, equipment, procedures, supplies and safety procedures related to the nursery industry. Additional tasks are assigned as the season dictates.

Content: Agriculture

Population: General

010640 - Greenhouse Construction

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course focuses on building a greenhouse. Topics include cost determination, site selection, and construction techniques. Skills to be developed include the calculation of the size of heating, ventilation, and cooling systems. Students also calculate profit/loss for various crops. Methods of storing, grading, and marketing various greenhouse crops are identified.

Content: Agriculture

Population: General

010641 - Greenhouse Technology

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the science of producing plants and crops within the greenhouse environment. Includes propagation, fertilization, control of pests, marketing, etc.

Content: Agriculture

Population: General

010642 - Greenhouse Management

Grade Level: 10 - 12

Credits: 0.5

Description: Topics include the identification and function of a plant's leaves, roots and stems; as well as identifying major plant processes and sexual reproduction parts. The 16 essential elements and how they effect plant growth are discussed. Identification of diseases, insects and plant disorders in the greenhouse are included. Development of growing schedules for the following crops are completed: poinsettias, chrysanthemums, Easter lilies, bedding plants and hanging baskets. Injectors are calibrated using various fertilizer and chemical ratios.

Content: Agriculture

Population: General

010643 - Garden Center Management

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course introduces various career opportunities in a garden center and focuses on salesmanship and business practices utilized in this environment. Identification of characteristics, usage and care of woody ornamentals, annual and perennial plants, as well as use and care information needed by the consumer are included. Assisting customers in choosing chemical pesticides and plant related products is discussed.

Content: Agriculture

Population: General

010644 - Herbaceous Plant Identification

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course covers procedures for identifying herbaceous plants, their culture and pest control.

Content: Agriculture

Population: General

010645 - Greenhouse Construction Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course allows the opportunity to apply skills learned in HRT 140.

Content: Agriculture

Population: General

010646 - Garden Center Management Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course provides experiences using advanced equipment, technology, and procedures related to garden center management. Dissemination of information to customers on safe use, calculations, and formulations of various types of pesticides, specialized equipment, and sales, marketing, and discount procedures are all practiced by students. Additional tasks are assigned by the instructor as the season dictates.

Content: Agriculture

Population: General

010647 - Woody Plant Identification

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course covers procedures for identifying plants in the following classifications: broadleaf and narrow leaf deciduous, evergreen trees and shrubs, shade trees, ornamental trees, ground covers and vines.

Content: Agriculture

Population: General

010648 - Greenhouse Management Lab

Grade Level: 10 - 12

Credits: 0.5

Description: This Area Technology Center course is an introduction to the tools, equipment, procedures, supplies and safety issues related to greenhouse management. Other tasks are assigned as the season dictates.

Content: Agriculture

Population: General

010651 - Nursery & Orchard Technology

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes theories, principles and the science of producing ornamental plants, fruit and nut plants and vegetable production. Includes propagation, nutrition, cultural practices, harvesting, marketing, etc.

Content: Agriculture

Population: General

010652 - Special Topics, Horticulture and Plant Science Systems

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Horticulture and Plant Science Systems but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Food Science and Processing Systems (010700)

Career Major: This group of courses prepares students for careers in the food science, processing, marketing & Distribution industries.

010709 - Special Topics, Food Science & Processing Systems

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Food Science & Processing Systems but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Agriscience (020100)

Career Major- A group of courses that describe the theories, principles, and science content of agricultural/life sciences, as related to the food, fiber, & natural resource industries of Agriculture. Also, this career major prepares students for careers in Agriscience, such as Bio-Technology, Veterinary Science, Food Science, Genetics, etc. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

020101 - Agriscience Interdisciplinary

Grade Level: 9 - 12

Credits: 1

Description: An interdisciplinary course that counts for Life Science credit for high school graduation. Teaches science through use of agricultural concepts.

Content: Agriscience for Life Science Credit

Population: General

020116 - Agri-biology Interdisciplinary

Grade Level: 10 - 12

Credits: 1

Description: An interdisciplinary course that counts for Life Science credit for high school graduation. Teaches biology through use of Agricultural concepts.

Content: Agribiology for Life Science Credit

Population: General

020152 - Special Topics, Agriscience

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Veterinary Science but not described in above courses.

Content: Agriculture

Population: General

020160 - Veterinary Science

Grade Level: 9 - 12

Credits: 1-2

Description: This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety/sanitation, anatomy/physiology, clinical exam, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management & animal management. Careers are also explored.

Content: Agriculture

Population: General

020170 - Food Science and Technology

Grade Level: 9 - 12

Credits: 1/2-1

Description: This course emphasis the biological, chemical and physical science principles of converting raw agricultural products to food suitable for human consumption, as well as the technical applications involved in the process.

Content: Agriculture

Population: General

020171 - Food Processing, Distribution and Marketing

Grade Level: 9 - 12

Credits: 1/2-1

Description: This course emphasizes the science & technology of processing, distributing and marketing food products.

Content: Agriculture

Population: General

020180 - Agri-Biotechnology

Grade Level: 9 - 12

Credits: 1

Description: A course that describes the theories, principles, and science of high-tech agricultural/life science such as genetics, tissue culture, DNA extraction, cloning, etc.

Content: Agriculture

Population: General

Agricultural Education - Agribiotechnology (020200)

Career Major: A group or courses that prepare individuals in principles, and science content of agricultural/life sciences, as related to the food, fiber, & natural resource industries of Agriculture. Also, this career major prepared students for careers in Agriscience, such as Bio-Technology, Veterinary Science, Food Science, Genetics, etc. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

020201 - Advanced Animal Science

Grade Level: 10 - 12

Credits: 1

Description: A dual credit course for high school and college credit that describes the theories, principles, and science of animal production.

Content: Agriculture

Population: General

020211 - Animal Science

Grade Level: 9 - 12

Credits: 1

Description: A course that describes the theories, principles and science of animals and animal products, including nutrition, disease, management, etc

Content: Agriculture

Population: General

020212 - Animal Technology

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes the theories, principles and science of animals, including nutrition, reproduction, health, management, etc.

Content: Agriculture

Population: General

020221 - Plant, Land Science

Grade Level: 9 - 12

Credits: 1

Description: A course that describes the theories, principles, and science of Agronomy.

Content: Agriculture

Population: General

020222 - Advanced Plant Science

Grade Level: 10 - 12

Credits: 1

Description: A dual credit course for high school and college credit that describes the theories, principles, and science of Agronomy.

Content: Agriculture

Population: General

020223 - Crop Technology

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes the theories, principles, and science of crop production.

Content: Agriculture

Population: General

020252 - Special Topics, Agribiotechnology

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Agribiotechnology but not described in other courses.

Content: Agriculture

Population: General

020261 - Equine Science

Grade Level: 9 - 12

Credits: 1

Description: A course that describes the theories, principles and science of horse production and management.

Content: Agriculture

Population: General

Agricultural Education - Animal Science Systems (020500)

Career Major: A group of courses that describe the theories, principles and science of livestock production. Also, prepares students for careers in livestock production. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

020552 - Special Topics, Animal Science Systems

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Forestry/Resource Management (030500)

Career Major- A group of courses that prepare individuals for careers involving conserving, improving and using natural resources such as air, water, soil, trees, wildlife, and recreation areas. Describe the theories, principles and science of natural resources. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

030511 - Forestry

Grade Level: 9 - 12

Credits: 1

Description: A course describing theories, principles and science of managing, preserving, maintaining, utilizing and harvesting forest assets and forest products. Study of silviculture practices.

Content: Agriculture

Population: General

030512 - Environmental Science and Technology

Grade Level: 9 - 12

Credits: 1/2-1

Description: A course describing theories, principles and science of managing, protecting and utilizing natural resources and the environment, including land, air, water, wildlife, trees, etc.

Content: Agriculture

Population: General

030520 - Special Topics, Forestry/Resource Management

Grade Level: 9 - 12

Credits: 1

Description: Instruction related to Forestry/Resource Management but not described in above courses.

Content: Agriculture

Population: General

Agricultural Education - Environmental and Natural Resources Systems (030600)

Career Major: A group of courses that prepare individuals for careers involving conserving, improving and using natural resources such as air, water, soil, trees, wildlife, and recreation areas. Describe the theories, principles and science of natural resources. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

030602 - Advanced Wildlife Management

Grade Level: 10 - 12

Credits: 1

Description: A dual credit course for high school and college credit that describes theories, principles and science of producing, managing, preserving, and improving wildlife resources, including habitat management, harvesting, marketing, etc.

Content: Agriculture

Population: General

030611 - Wildlife Resources

Grade Level: 9 - 12

Credits: 1

Description: A course describing theories, principles and science of producing, managing, preserving and improving wildlife resources, including habitat management, harvesting marketing, etc.

Content: Agriculture

Population: General

030652 - Special Topics, Environmental Science & Natural Resource Systems

Grade Level: 9 - 12

Credits: 1-3

Description: Instruction related to Environmental Science & Natural Resource Systems but not described in other courses.

Content: Agriculture

Population: General

Agricultural Education - Career Major Electives (030700)

Courses not falling into one of the other career majors/sub codes

030701 - Aquaculture

Grade Level: 9 - 12

Credits: 1

Description: A course describing theories, principles and science of producing fish, sea food, etc, including growth, nutrition, harvesting, marketing, etc.

Content: Agriculture

Population: General

030702 - Leadership Dynamics - Agriculture

Grade Level: 9 - 12

Credits: 1/2 - 1

Description: This course is designed to assist students with developing skills needed to be successful leaders and responsible members of society. This student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development and leadership. This course will include opportunities for students to apply their knowledge.

Content: Leadership Dynamics

Population: General

030707 - Agricultural Math for CTE Credit

Grade Level: 10 - 12

Credits: 1

Description: This course is designed to emphasize high school math core content by utilizing agricultural education as the content for delivering the math concepts.

Content: Agriculture

Population: General

030708 - Agricultural Math for Math Credit

Grade Level: 10 - 12

Credits: 1E

Description: This course is designed to emphasize high school math core content by utilizing agricultural education as the content for delivering the math concepts. A correlation to the math content in the program of studies was used in developing this course to count as a 4th math elective.

Content: Agricultural Math for the Math Elective Requirement

Population: General

030711 - Agriscience

Grade Level: 9 - 12

Credits: 1

Description: A course that describes the science of the Agricultural food, fiber and natural resources industries.

Content: Agriculture

Population: General

030714 - Principles of Agri-Science & Technology, Grade 8

Grade Level: 8 - 8

Credits: 0

Description: A foundational course describing the principles, theories and science of the Agricultural food, fiber natural resources industries.

Content: Agriculture

Population: General

030715 - Principles of Agri-Science & Technology, Grade 9

Grade Level: 9 - 9

Credits: 1

Description: A foundational course describing the principles, theories and science of the Agricultural food, fiber natural resources industries.

Content: Agriculture

Population: General

030717 - Agriscience Exploration Grade 6-8

Grade Level: 6 - 8

Credits: 0

Description: A beginning course that describes the science of the Agricultural food, fiber and natural resource industries.

Content: Agriculture

Population: General

030721 - Agriculture Communications

Grade Level: 9 - 12

Credits: 1

Description: A course that describes theories, principles and the practice of sound communication skills, including writing, public speaking, non-verbal communication. Includes TV, radio, print, and internet media.

Content: Agriculture

Population: General

030771 - Small Animal Technology

Grade Level: 9 - 12

Credits: 1-2

Description: A course that describes the theories, principles, and science of small animals, including pets, nutrition, health, reproduction, training, etc.

Content: Agriculture

Population: General