CTE
Course Codes
and
Clearing Endorsements
(Formerly called Appendix D)

2017-2018

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Nebraska Department of Education

GENERAL INFORMATION

Nebraska approval regulations (Rule 14) and accreditation regulations (Rule 10) require that certain percentages of F.T.E. (Full Time Equivalency) elementary and middle grade teachers hold appropriate endorsements and that certain percentages of instructional units at the secondary grades be assigned to teachers holding appropriate endorsements. For teachers to be considered appropriately endorsed for their assignments, they must teach the grade levels indicated on their certificate. The grade level designations are shown on the following chart.

Certificate/Endorsement Level

LEVEL	Appropriate for the following grades
00	PK
01	Pre Primary – 3 all schools
02	K-6
03	K-8
04	7-9
05	K-9
06	7-12
07	K-12
08	9-12
09	4-9 This level will be phased out over time. See level 22 (5-9) below.
10	B-12
11	B-K
12	B-3
13	PK-6
14	PK-8
15	PK-12
16	10-12
17	PK-9
18	6-12
19	B-21
20	PK-3
21	B-PK
22	5-9

The following pages show courses or subjects taught in Nebraska schools and the appropriate endorsements for those subjects or courses. In instances where no specific endorsement is required, the "level" of endorsement must still be appropriate for the assignment.

The following items describe special cases or circumstances.

Middle Grades:

1) When grades five through eight are designated as middle grades, either an elementary or a middle level endorsement is appropriate.

2) A middle level endorsement clears any subject area and course code for grades 5-9.

3) For grades seven and eight, a middle level endorsement or an appropriate secondary endorsement is appropriate.

4) Teachers holding an elementary endorsement may teach in grades seven and eight if they acquire six credit hours per year towards a middle level endorsement or if they participate in staff development in accordance with a local mission or plan for education of middle grade students.

5) Teachers holding a content area endorsement at the secondary level may teach grade six in that content area if they acquire six credit hours per year toward the elementary or middle level endorsement or participate in staff development in accordance with a local mission and plan for education of middle grade students.

6) When grade nine is designated as a middle grade, an appropriate secondary endorsement or a middle level endorsement covers a ninth-grade teaching assignment.

7) Secondary teachers may be assigned to integrated courses or curriculum in grades seven through nine if they hold an endorsement for any of the subjects or fields included in the course. See 10.007.02A2A

8) Teachers not holding an appropriate endorsement may be assigned to the middle grades if they acquire six credit hours per year towards a middle level endorsement.

Secondary Grades:

9) In secondary grades, teachers assigned to integrated courses or curriculum are considered appropriately endorsed if they hold an endorsement for any of the subjects or fields included in the course.

10) Course descriptions in this manual shown for grades 10, 11, and 12 are intended to describe higher level courses. If, however, the course is taught at a 9th grade level, the appropriate middle level endorsement will cover the assignment.

Elementary Grades:

11) An elementary endorsement is appropriate for courses taught in grades K-8.

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AGRICULTURE, FOOD AND NATURAL RESOURCES

INTRODUCTION TO AG, FOOD & NATURAL RESOURCES

Short Name AG/EN-INTR
Course Code 011000

The introductory course for the Agriculture, Food and Natural Resources Career Cluster providing a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

ANIMAL BIOLOGY

Short Name ANI BIO
Course Code 011004

A course focusing on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal systems career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities and animal evaluation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

LARGE ANIMAL MANAGEMENT

Short Name LG ANIMGMT
Course Code 011005

This course includes advanced scientific principles and communication skills that build on the knowledge and skills learned in Animal Biology. Topics include animal waste management, animal science economics, decision making, global concerns in the industry, genetics, and breeding. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

COMPANION ANIMALS

	Short Name	Course Code
	COM ANIMAL	**011006**

A course providing instruction on animal husbandry topics related to companion animals that are served by a veterinarian. This course includes breeding, grooming, care and marketing of companion animals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

PLANT SCIENCE/HORTICULTURE

	Short Name	Course Code
	PLANT SCI	**011007**

This course focuses on knowledge, information, and skills related to the science of plant production and agronomy and provides the necessary skills for careers in horticulture, agricultural production and management, and science. The content includes plant growth and reproduction, biotechnology and research, fertilizers, plant and tree identification, controlling weeds and pests, and proper use of agricultural chemicals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
HORT EDUC	0905

AGROMONIC SCIENCE

	Short Name	Course Code
	AGRO SCI	**011008**

This course provides the study of plant physiology and morphology and its relationship to growth, development and reproduction of crop and forage plants in the global environment. Topics include: seed identification, testing and grain grading. Identification of agronomic crops and major weeds in crop production and harvesting and handling will be emphasized. Classroom and laboratory activities are supported through supervised agricultural experiences and leadership programs and experiences.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRIBUSINESS	Short Name **AGRI BUSN**	Course Code **011009**

This course covers skills necessary for entry into employment or furthering education in an agricultural business. The course includes the study of business organizations, business structures, job responsibilities, job applications and interviewing, human relations, marketing, selling, displaying, using business machines, management and entrepreneurship skills. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

ECONOMICS & AGRIBUSINESS MGMT	Short Name **ECON AGMGT**	Course Code **011010**

This course builds on the knowledge and skills covered in Agribusiness. Content includes business activities, agribusiness leadership and management in the free enterprise system, economic principals, budgeting, finance, risk management, business law, marketing and careers in agribusiness. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURAL SALES & ENTREPRENEURSHIP	Short Name **AG SA/ENTP**	Course Code **011011**

This course builds on the knowledge and skills covered in Agribusiness. Content includes entrepreneurship, business plan development, risk analysis, product/service promotion, and sales/marketing skill development. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

MS INTRODUCTION TO AG, FOOD & NATURAL RESOURCES

	Short Name	Course Code
	MSAFNR-INT	**011012**

This middle school introductory course for the Agriculture, Food and Natural Resources Career Cluster provides a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration.

Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 6-8

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
MIDDLE GR/AG EDUCATION	1810

AGRICULTURAL BIOLOGY

	Short Name	Course Code
	AG BIOLOGY	**011013**

A one year laboratory and lecture biological science course designed for students with career and/or college interests in agriculture. Using agriculture, the course focuses on teaching the Life Science Nebraska State Assessment Standards. The principles central concepts and inter-relationships will include: the molecular and cellular aspects of life, the chemical and structural basis of life, growth and reproduction in plants and animals, evolution of modern plants and domestic livestock species, plant and animal genetics, taxonomy of modern agricultural plants and animals, animal behavior and ecological relationships among plants, animals, humans and the environment. This course is centered on an extensive laboratory component in order to connect the ideas of life science with agricultural applications, earth and physical science principles and other curricular areas including written and oral reporting skills. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and career awareness activities.

Recommended Level: Grades 9-10   Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

EQUINE SCIENCE

	Short Name	Course Code
	EQUINE SCI	**011014**

A course focusing on the basic scientific principles and processes related to equine physiology, breeding, nutrition and care in preparation for a career in the equine industry. Skills in biology, chemistry and mathematics are reinforced in this course, Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

VETERINARY SCIENCE	Short Name **VET SCI**	Course Code **011015**

Introduces students to the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

PLANT BIOLOGY	Short Name **PLANT BIO**	Course Code **011016**

This course covers the biology of plants grown for food, feed, fiber, fuel and fun. Students will learn about plant life cycles in managed and natural ecosystems and their role in global carbon and water cycles. Students will also discover the mechanisms plants use to drive and control their growth, propagate and change to compete with other organisms in their environment.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

NURSERY AND LANDSCAPE	Short Name **NURS LAND**	Course Code **012001**

Introduces students to the principles of design, methods of establishing and maintaining landscapes, and landscape business management procedures. Includes arranging plants, objects, and earth in the landscape; covers culture and maintenance of plants. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE, FOOD AND NATURAL RESOURCES

FLORICULTURE	**Short Name**	**Course Code**
	FLORICUL	**012002**

Introduces business procedures, design principles, and production techniques used in retail and wholesale floral businesses. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 10-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

TURF MANAGEMENT	**Short Name**	**Course Code**
	TURF MGT	**012003**

Introduces procedures to establish, manage, and maintain ornamental or recreational turf, to prepare and maintain athletic fields and playing surfaces and to produce and market turf. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

BIOTECHNOLOGY	**Short Name**	**Course Code**
	BIOTECH	**012004**

This course equips students with a working knowledge of biotechnology as it is used in Agricultural, Food, Natural Resources, and Health Sciences. Students will diagram how classical processes have influenced trait improvement throughout history. Through application of DNA structure and gene insertion methods, students will demonstrate how genetic engineering has been applied to organism improvement and solving human health issues. Student will apply DNA and protein detection to determine presence of specific traits. Additionally, students will distinguish between scientific and societal biotechnology issues. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

NATURAL RESOURCES	Short Name **NAT RES**	Course Code **013000**

A course that provides an opportunity for students to increase awareness of the close ties among living organisms as well as natural and environmental concerns with the interrelationships of living organisms and the world around us. Students are exposed to careers related to natural resources systems. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

WILDLIFE MANAGEMENT	Short Name **WDLIFE MGT**	Course Code **013001**

This course has an emphasis on the conservation of natural resources including outdoor recreation topics and provides students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

ADVANCED NATURAL RESOURCES	Short Name **ADV NATRES**	Course Code **013002**

Curriculum emphasizes advanced scientific principles and processes involved in conserving and/or improving natural resources such as air, water, land, forestry, wildlife, and energy. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

FOOD SCIENCE	**Short Name**	**Course Code**
	FOOD SCI	**014000**

A course that introduces students to the principles, applications and science of food and food processing and production. Students will learn the scientific principles and practice scientific applications involved in the food industry including food science, food processing, microbiology, toxicology, regulations concerning the protection of the food supply and organic production of food and nutrition.   Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

ADVANCED FOOD SCIENCE	**Short Name**	**Course Code**
	ADFOOD SCI	**014001**

Students will apply food science principles to enhance product development with particular emphasis on USDA/FDA standards, and nutritional analysis and evaluation of food groups. Students will analyze product preparation options to prepare products for distribution and utilize preservation methods to develop food preservation programs. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

POWER, STRUCTURAL AND TECHNICAL SYSTEMS FUNDAMENTALS	**Short Name**	**Course Code**
	PST FUND	**016000**

This course introduces selected major areas of agricultural mechanics technology including small engine operation and repair, metal fabrication, woodworking, and electrical wiring. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

STRUCTURAL SYSTEMS	Short Name **STRUCT SYS**	Course Code **016002**

This course provides an in-depth study of agricultural construction. It also provides the opportunity to explore the many career possibilities in the field of agricultural construction. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

POWER AND TECHNOLOGY	Short Name **POWER TECH**	Course Code **016003**

Provides advanced-level experiences in selected major areas of agricultural mechanics technology; includes small engine maintenance and repair, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, maintenance of agricultural machinery, equipment and tractors, and soil and water conservation. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

WELDING	Short Name **WELDING**	Course Code **016004**

This course provides in-depth study of metal and fabrication with metal products. It also provides the opportunity to explore the careers of agricultural metal fabrication. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

METALS AND FABRICATION

Short Name METAL FAB
Course Code 016005

This course builds upon skills learned and developed in Welding class. The emphasis of this class is to master advanced welding procedures and processes in conjunction with critical thinking, problem solving, drawing, and technical reading to solve fabrication problems. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

LEADERSHIP & ETHICS IN AGRICULTURE

Short Name LEADER
Course Code 017000

Instruction provided in a semester long leadership, human resource development and related careers course includes leadership in a community, leadership concepts/applications, characteristics of an effective leader, characteristics of an effective manager and related practicum demonstrating contribution to society. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

CAREERS AND LITERACY OF AGRICULTURE

Short Name AG CAR LIT
Course Code 018002

The focus of this course is to provide middle school students with a working knowledge of the Agriculture, Food, and Natural Resources career field of study. Students will experience the seven AFNR pathways, explore careers within these pathways, and focus on their pathway of interest. The course incorporates teachable moments pertaining to the college and career readiness skills found in the center of the Nebraska Career Education Model. Agricultural literacy, risk management, and current trends are also incorporated into the course.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
MIDDLE GR/AG EDUCATION	1810

AGRICULTURE, FOOD AND NATURAL RESOURCES

ENVIRONMENTAL SCIENCE

	Short Name	Course Code
	ENV SCI	**018049**

A course designed to immerse students in the physical, biological and earth systems science that shape our environment in order to allow students to analyze environmental issues and make management decisions. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

	Short Name	Course Code
	AP ENV SCI	**018050**

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science is offered from a wide variety of departments, including geology, biology, environmental studies, environmental science, chemistry and geography.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

CASE INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES

	Short Name	Course Code
	CASE AFNR	**018060**

Students participating in the Introduction to Agriculture, Food, and Natural Resources course will experience exciting "hands-on" activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-10
Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

CASE PLANT SCIENCE

	Short Name	Course Code
	CASE PLANT	018061

The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery mangers and producers, and plant research specialists face in their respective careers.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

CASE ANIMAL SCIENCE

	Short Name	Course Code
	CASE ANML	018062

This course is intended to serve as one of two foundational courses within the CASE™ sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science so that students may continue through a sequence of courses through high school. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12
Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

CASE ANIMAL & PLANT BIOTECHNOLOGY

	Short Name	Course Code
	CASE APBIO	018063

Animal and Plant Biotechnology, a specialization course in the CASE Program of Study, provides resources to the teacher to facilitate rigorous instruction and increase the level of student understanding related to biotechnology concepts. Students will complete hands-on activities, projects, and problems designed to build content knowledge and technical skills in the field of biotechnology. Students are expected to become proficient at projects involving micro pipetting, bacterial cultures and transformations, electrophoresis, and polymerase chain reaction. Research and experimental design will be highlighted as students develop and conduct industry appropriate investigations.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12
Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

FNS - FOOD PRODUCTION, NUTRITION, AND HEALTH

Short Name
FOOD PROD

Course Code
018080

This is a project-based foundational course to introduce students to the size and scope of food production, nutrition, and health, and the underlying principles. Students will define the food science industry, describe historical milestones, and analyze how the production, processing, distribution, and marketing of food and food products influence consumer behavior and health. Students will apply knowledge about food products, nutrients, and the chemical and physical properties of food to solve human nutrition and health problems. Upon completion of this course, students are prepared to enroll in either Food Science or Nutrition Science courses within this program of study in preparation for careers in those areas.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12
Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

FNS - FOOD SCIENCE

Short Name
FOOD SCI

Course Code
018081

This is a project-based course focusing on preparing students for further education and careers in the Food Science industry. Students will investigate the production, processing, distribution, and marketing of food to consumers. Students will apply the science associated with food and food products to the selection, preservation, processing, packaging, and distribution of safe and nutritious food. Students will explain the impacts of food on human health and nutrition.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

FNS - NUTRITION SCIENCE

Short Name
NUTRI SCI

Course Code
018082

This is a project-based course focusing on preparing students for further education and careers in the Nutrition Science industry. Students will understand the relationship between the body, nutrients, and health. Students will apply these understandings and the socioeconomic, cultural, and community influences on diet to develop dietary plans for a variety of lifestyles and human health concerns.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

AGRICULTURE, FOOD AND NATURAL RESOURCES

FNS - FOOD AND NUTRITION SCIENCE RESEARCH AND DEVELOPMENT

Short Name FOOD NUTR
Course Code 018083

This course will be the culminating experience within the Food and Nutrition Sciences Program of Study. Through the application of knowledge and skills gained earlier in the program of study, students will explore all aspects of new food product development, from research and development to marketing. They will consider the nutritional needs of consumers, and possibilities for production, processing, distribution, and marketing of food to develop food products suitable for a variety of scenarios.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name AGRI OTHER
Course Code 019930

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name AGRI OTHER
Course Code 019931

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	Short Name **AGRI OTHER**	Course Code **019932**

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	Short Name **AGRI OTHER**	Course Code **019933**

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	Short Name **AGRI OTHER**	Course Code **019934**

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
HORT EDUC	0905

BUSINESS, MARKETING AND MANAGEMENT

| **ACCOUNTING** | **Short Name** ACCT | **Course Code** 030300 |

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

Recommended Level: Grades 10-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

| **ACCOUNTING, ADVANCED** | **Short Name** ACCT AD | **Course Code** 030301 |

This is a two-semester course that includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems and further enhancement of accounting skills. Accounting is a prerequisite.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

| **COLLEGE PRINCIPLES OF ACCOUNTING** | **Short Name** PRIN ACCT | **Course Code** 030302 |

This two-semester course is designed to provide introductory knowledge of accounting principles, concepts, and practices. Included topics are the balance sheet, the income statement, the statement of owner's equity, the statement of cash flows, worksheets, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity and financial statement analysis. This course provides a foundation for more advanced work in the fields of accounting and business. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE PRINCIPLES OF ACCOUNTING II

Short Name	Course Code
PRINACCTII	**030303**

This course is a continuation of ACCT 1200 and is part of a Finance Academy. Principles of Accounting II includes accounting for businesses organized as corporations, cash flow statements, accounting for manufacturing businesses, preparing and using accounting data for management decision making, and analyzing and interpreting financial statements. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS COMMUNICATION

Short Name	Course Code
BUSNS COMM	**030600**

Students will reinforce communication skills needed in business, management and administrative occupations by composing and reading written and digital communications, developing and delivering formal and informal presentations, applying active listening skills to obtain and clarify information, and exhibiting interpersonal skills to deal positively with diverse individuals. Students will use tables, charts, and figures to support written and oral communication, and locate, organize, and reference written information from various sources to communicate effectively. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

FINANCIAL PLANNING

Short Name	Course Code
FIN PLAN	**030801**

This course is part of the National Academy Foundation's Academy of Finance. Financial Planning provides students with an overview of the job of a financial planner. Students look at financial planning in an objective way that requires them to regard all aspects of financial planning as relevant to a potential client.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

| **INSURANCE** | Short Name **INSUR** | Course Code **030802** |

This course is part of the National Academy Foundation's Academy of Finance. This course introduces students to the insurance industry and to its critical role in the financial services sector and to society. It covers common types of insurance, including life, health and disability, property, liability, and forms of commercial insurance, and career opportunities.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

| **FINANCIAL SERVICES** | Short Name **FIN SERV** | Course Code **030803** |

This course is part of the National Academy Foundation's Academy of Finance. Financial Services provides students with an overview of financial services companies. This course introduces student to banking, monetary policy, investing, and financial careers. Students examine current issues including ethics in the financial services industry.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

| **COLLEGE FUNDAMENTALS OF FINANCIAL PLANNING** | Short Name **COL FIN PL** | Course Code **030804** |

This course is a college course that is part of a Finance Academy. This course is the first of two courses examining the fundamentals of financial planning. Students will examine the principles of financial planning, steps in the financial planning process, tools and techniques used in the planning process, and explore careers associated with financial planning. This course may be available for dual credit at the postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS LAW	Short Name **BUSNS LAW**	Course Code **030900**

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation and constitutional issues including civil and criminal law.

Recommended Level: Grades 10-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE BUSINESS LAW	Short Name **COL BUSLAW**	Course Code **030901**

This course is a college course that is part of a Finance Academy. This course offers an introduction to ordinary legal aspects of business transactions involving such topics as legal rights and duties, law of contracts, law of sales, and law of property. It gives a general understanding and development of basic legal logic in business situations through the use of principles, cases, and information useful in determining the need for professional counsel. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS ECONOMICS

Short Name
BUSNS ECON

Course Code
031800

Business Economics is a course designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis includes allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, role of government, global economic concepts, and economic indicators.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
SOCIAL SCIENCE	1501

BUSNESS STRATEGIES

Short Name
BUSNSTRAT

Course Code
031805

This course is part of the MBA Research Consortium's High School of Business National Model. Business strategies develop student understanding of skills in such areas as business law, entrepreneurship, financial analysis, human resources management, and strategic management. By planning, organizing, staffing, directing, leading, and controlling business activities, students acquire a realistic understanding of what is required to open and successfully run a business. They conduct situational, market, and competitive analyses; select a target market; develop a business plan; recruit, interview, select, and hire staff; supervise staff; control use of resources; and evaluate the results of the business effort. Throughout the course, students make decisions and use problem-solving skills. Formal reflection is an on-going component of the course.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

INTRODUCTION TO BUSINESS, MARKETING & MGMT	**Short Name** **INTROBUSNS**	**Course Code** **032300**

This course is designed as an introductory overview of the Business, Marketing and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

EXPLORATION OF BUSINESS AND ENTREPRENEURSHIP	**Short Name** **EXPBUS ENT**	**Course Code** **032350**

A middle-level course designed to give students an overview of Business, Marketing and Management Career Field and Clusters with an emphasis on entrepreneurship. Students will begin the study of personal money management, basic business concepts, entrepreneurship concepts, the role of business in our society and be introduced to entrepreneurship as a career option.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

ENTREPRENEURSHIP	**Short Name** **ENTREP**	**Course Code** **032370**

Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE INTRODUCTION TO BUSINESS

Short Name	Course Code
COLINT BSN	**032400**

This college-level course surveys the structure and functions of the American business system in a global society, together with an overview of business organization, economics, management, marketing, and finance. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE INTRODUCTION TO ENTREPRENEURSHIP

Short Name	Course Code
COL ENTREP	**032600**

College Introduction to Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE ENTREPRENEURSHP FEASIBILITY STUDY

Short Name	Course Code
COL ENTFEA	**032601**

College Entrepreneurship Feasibility Study is a course in which students will assess the viability of a new venture business idea to determine if the concept is feasible, The student will identify and analyze the present climate for their business idea by completing an industry, target market, and competitive analysis. The student will assess the financial needs for startup as well as their own skills, strengths, and talents to launch a successful business idea. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE ENTREPRENEURSHIP LEGAL ISSUES

Short Name
COLENT LGL

Course Code
032602

College Entrepreneurship Legal Issues explores legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. Students will review contract law, articles of incorporations and the filing process, intellectual property, employment law (including FERPA, ADA, and FMLA), personnel policies and procedures, the hiring process, job descriptions, disciplinary actions, and business insurance. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE MARKETING FOR THE ENTREPRENEUR

Short Name
COL MKENT

Course Code
032603

College Marketing for the Entrepreneur will provide insights essential for marketing an entrepreneurial venture utilizing innovative and financially responsible marketing strategies. Students will develop an understanding of traditional and non-traditional entrepreneurial marketing strategies and prepare marketing strategies with associated tactics to lauch and sustain an entrepreneurial venture.   This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE ENTREPRENEURSHIP FINANCIAL TOPICS

Short Name
COL ENTFIN

Course Code
032604

This course will cover financial topics for small business. Financial topics include budgeting, creation of financial statements and learning how to work with an accounting professional. Other topics covered are income tax, sales and use tax, unemployment tax, employee benefits and retirement planning. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE ENTREPRENEURSHIP BUSINESS PLAN

Short Name	Course Code
COL ENTBPL	**032605**

The student will evaluate a business concept and create a business plan. Students will assess the strengths and weaknesses of a business concept, apply research data into the plans, and prepare the financial projections for the business concept. Students will identify and evaluate various resources available for funding small businesses. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MANAGEMENT AND LEADERSHIP

Short Name	Course Code
MGT/LEAD	**032802**

This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills.

Recommended Level: Grades 10-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE PRINCIPLES OF MANAGEMENT

Short Name	Course Code
COL MGT	**032803**

This course is a college course that is part of a Finance Academy. This is an introduction to the theory and practice of management of the organization. Special attention is devoted to the processes of planning, decision making, organizing, leading, and controlling the organization. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

	Short Name	Course Code
PERSONAL FINANCE	**PERSON FIN**	**033000**

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

	Short Name	Course Code
PRINCIPLES OF FINANCE	**PRIN FIN**	**033001**

This course is part of the MBA Research Consortium's High School of Business National Model. Principles of Finance furthers student understanding of two specific business activities - accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE WEALTH BUILDING & FINANCIAL MANAGEMENT

Short Name	Course Code
COL WEALTH	**033002**

This course is designed to provide knowledge of personal financial management. Students learn to manage their resources to make sound personal financial decisions, interpret data to develop short and long term budgetary plans, and develop product knowledge related to financial planning. Students will develop a financial plan that includes savings, investing, credit management, risk management, and retirement. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE INTERNATIONAL FINANCE

Short Name	Course Code
COL INTFIN	**033003**

This course is a college course that is part of a Finance Academy. This course offers an introduction to an analysis of international finance providing a conceptual framework within which the unique financial decisions of the multinational firm can be analyzed. The student gains an understanding of decision elements of the international organization such as divergences in currencies, exchange rate issues (variations and controls), rates of inflation, tax systems, money and capital markets, and political systems. This course may be available for dual credit a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE INTRODUCTION TO INVESTMENT

Short Name	Course Code
COL INVEST	**033004**

This course is a college course that is part of a Finance Academy. This course presents an introductory review of investment concepts and theory including analysis of individual investments, stocks, bonds, mutual funds, security markets, and portfolio management. This course may be available for dual credit a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COMPUTER APPLICATIONS

Short Name
COMP APP

Course Code
033422

This middle-level course is designed to emphasize digital citizenship, basic computer operations, word processing applications, spreadsheet applications, presentation applications, and technology communication tools. Students will master keyboarding skills; compose, create, edit, and format word processing documents; organize and manipulate data in a spreadsheet; and prepare a formal presentation for Computer Applications to count toward a Program of Study the course must be offered for one semester at the 8th grade level.

Recommended Level: Middle/Junior High

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701
MIDDLE GR/BUSINESS ED	1812

KEYBOARDING APPLICATIONS

Short Name
KEYBD APP

Course Code
033501

Keyboarding is identified as a foundation knowledge and skill area for all students regardless of their career interest. This middle-level course is designed for students to learn touch typing techniques and proper keystroking while continuing to develop composition and proofreading skills as well as speed and accuracy. Students will demonstrate keyboarding proficiency in document formatting (letters, reports, and tables). Students will demonstrate acceptable ethical and social behavior while developing keyboarding skills. .

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701
MIDDLE GR/BUSINESS ED	1812

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS IN A GLOBAL ECONOMY	Short Name **GLOBL ECON**	Course Code **034100**

This course is part of the National Academy Foundation's Academy of Finance, Business in a Global Economy provides students with an understanding of how and why businesses choose to expand their operations into other countries. This course exposes students to the unique challenges facing firms doing business internationally and to the potential opportunities and markets that are lost to firms that choose not to do business in the global marketplace.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MARKETING	Short Name **MARKET**	Course Code **038100**

Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

Recommended Level: Grades 10-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MARKETING MANAGEMENT	Short Name **MARK MGT**	Course Code **038101**

This course develops student understanding and skills promotion, channel management, marketing information management, market planning, pricing, and product/service management. The curriculum utilizes communication, team building, and problem-solving skills while applying academic and critical-thinking strategies. Application of academic concepts and technology are integrated throughout the curriculum enhancing career and professional development.

Recommended Level: Grades 10-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

ADVANCED MARKETING

Short Name	Course Code
ADV MKTG	**038200**

The course will emphasize entrepreneurial development and responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, market research, international marketing, cultural diversity, ethics, technology, and careers in marketing. Capstone activities include development of a marketing or business plan.

Recommended Level: Grades 11-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE PRINCIPLES OF MARKETING

Short Name	Course Code
COL MKTG	**038201**

The course is an introduction to the language and issues of marketing with an emphasis on learning to develop responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, marketing research, international marketing, cultural diversity, ethics, technology, and careers in marketing. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304

ADVANCED PLACEMENT MACROECONOMICS

Short Name	Course Code
AP MACECON	**038500**

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. The purpose of an AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

ADVANCED PLACEMENT MICROECONOMICS	Short Name AP MICECON	Course Code 038501

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. This course places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE MACROECONOMICS	Short Name CMACROEC	Course Code 038502

This is a course designed to help students explore theories of employment, Gross Domestic Product, inflation and economic growth. Topics include income theories, savings and investments, business fluctuations, inflation, growth theories and monitory and fiscal policies. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE MICROECONOMICS

Short Name	Course Code
CMICROEC	**038503**

This course presents the theory and application of the four market structures: pure competition, monopolistic competition, oligopoly and monopoly. Students determine the revenue, costs, ouput and prices for each market structure along with the social implications of each. In addition, the course analyzes various social issues using the microeconomic principles of elasticity, benefit and cost, and deminishing returns analysis. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT, OTHER

Short Name	Course Code
BUSNS OTH	**039930**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT, OTHER

Short Name	Course Code
BUSNS OTH	**039931**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS, MARKETING AND MANAGEMENT, OTHER	**Short Name** BUSNS OTH	**Course Code** 039932

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT, OTHER	**Short Name** BUSNS OTH	**Course Code** 039933

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT, OTHER	**Short Name** BUSNS OTH	**Course Code** 039934

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

MIDDLE SCHOOL CAREER DEVELOPMENT

Short Name
MS CAREER

Course Code
320100

Students learn how to effectively explore careers while using the Nebraska Career Education Model and related resources. Students will learn the vocabulary and expectations of effective academic and career planning. A focus will be to discover the relationship between personal-social qualities, interests and skills to a wide variety of careers and postsecondary options to choose from. Emphasis will be given to learn and opportunities to practice the Nebraska Career Readiness Standards of Practice, which are current expectations in today's workplace. Students will draw upon these conclusions to develop a Personal Learning Plan to transition into high school with a broad career cluster focus.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

HIGH SCHOOL CAREER DEVELOPMENT

Short Name
HS CAREER

Course Code
320101

Students learn and apply the career and college planning process using the Nebraska Career Education Model and related resources. Students will identify personal interests, skills and values, then apply this knowledge to both academic and career decision making. Students will demonstrate progress/proficiency in Nebraska Career Readiness Standards of Practice which are current expectations in today's workplace. Student will activate the planning process by setting goals, developing and implement a Personal Learning Plan, for effective transition from high school to most appropriate post secondary education based on knowledge of self, career goal and financial considerations.

Recommended Level: High School

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

| **ENGAGE! CAREER EXPLORATION AND READINESS** | **Short Name** **ENGAGE** | **Course Code** **320300** |

This is a project based course designed to help middle school students explore career options using the Nebraska Career Education Model and understand the Nebraska Career Readiness Standards. The course is organized by three themes - Making it My Choice, A World of Options and Charting a Direction - with culminating individual and group projects. Students will define career clusters and pathways, describe examples of career readiness, utilize self-assessments to better understand interests, establish a career portfolio and create a personal learning plan to provide direction to high school and post-high school activities. This course is aligned to American School Counselor Association Standards for Students and integrates EducationQuest tools and resources for middle school students.

Recommended Level: Grades 7-8

Career Cluster: Foundational, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

| **FUNDAMENTALS OF ENTREPRENEURSHIP** | **Short Name** **FUN ENTREP** | **Course Code** **320600** |

Fundamentals of Entrepreneurship is a course designed for students to explore the characteristics of an entrepreneur within any of the six career fields. Students will analyze opportunities in entrepreneurship. Emphasis is on understanding the forms of business ownership and reviewing the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the local, regional and national economy will be explored. Students will identify and understand the rationale of a start-up business plan.

Recommended Level: Grades 9-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

OTHER WORK-BASED LEARNING CLASS

Short Name	Course Code
WKBL CL	**320700**

A class that provides students the opportunity to connect what they learn in school with worksite application. Students are placed in an occupation that best relates to their career interest and aptitude. The school and business community work together to plan activities that will enable each student to apply the knowledge, attitudes and skills learned in the classroom to actual business situations and positions.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

OTHER WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
WKBL EXP	**320701**

This course allows the district to award credit for the work based learning work experience. This is a companion course to 320700, the classroom portion of the COOP/DO, work based learning program.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

AFNR WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
AFNR WBL	**320702**

This course allows the district to award credit for an Agriculture, Food and Natural Resources work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

ARCH & CONST WORK-BASED LEARNING EXPERIENCE

	Short Name	Course Code
	AC WBL	**320703**

This course allows the district to award credit for an Architecture and Construction work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

ARTS, AV & COM WORK-BASED LEARNING EXPERIENCE

	Short Name	Course Code
	AAVC WBL	**320704**

This course allows the district to award credit for an Arts, A/V Technology & Communication work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

BUSINESS MGMT WORK-BASED LEARNING EXPERIENCE

	Short Name	Course Code
	BMA WBL	**320705**

This course allows the district to award credit for a Business, Management and Administration work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

ED & TRAIN WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
EDT WBL	**320706**

This course allows the district to award credit for an Education and Training work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

ENERGY & ENG WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
EE WBL	**320707**

This course allows the district to award credit for an Energy and Engineering work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

FINANCE WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
FIN WBL	**320708**

This course allows the district to award credit for a Finance work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

GOVT, PUBLIC ADMIN WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
GPA WBL	**320709**

This course allows the district to award credit for a Government and Public Administration work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

HEALTH SCIENCE WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
HS WBL	**320710**

This course allows the district to award credit for a Health Science work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

HOSPITALITY & TOURISM WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
HT WBL	**320711**

This course allows the district to award credit for a Hospitality & Tourism work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

HUMAN SERVICES/FACS WORK-BASED LEARNING EXPERIENCE

Short Name
HSFACS WBL

Course Code
320712

This course allows the district to award credit for a Human Services/FACS work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

INFORMATION TECHNOLOGY WORK-BASED LEARNING EXPERIENCE

Short Name
IT WBL

Course Code
320713

This course allows the district to award credit for an Information Technology work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

LAW, PUBLIC SAFETY WORK-BASED LEARNING EXPERIENCE

Short Name
LPSS WBL

Course Code
320714

This course allows the district to award credit for a Law, Public Safety & Security work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

MANUFACTURING WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
MFCT WBL	**320715**

This course allows the district to award credit for a Manufacturing work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

MARKETING WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
MKT WBL	**320716**

This course allows the district to award credit for a Marketing work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

TRANSPORTATION WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
TDL WBL	**320717**

This course allows the district to award credit for a Transportation, Distribution and Logistics work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

ENGLISH/LANGUAGE ARTS WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
ELA WBL	**320718**

This course allows the district to award credit for an English Language Arts work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

MATHEMATICS WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
MATH WBL	**320719**

This course allows the district to award credit for a Mathematics work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

SCIENCE WORK-BASED LEARNING EXPERIENCE

Short Name	Course Code
SCI WBL	**320720**

This course allows the district to award credit for a Science work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

SOCIAL STUDIES WORK-BASED LEARNING EXPERIENCE	Short Name SS WBL	Course Code 320721

This course allows the district to award credit for a Social Studies work-based learning experience.

This course must be a part of a Work-based Learning Program.

Recommended Level: Grades 11-12

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
COOP ED DIV OCC	1605

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	Short Name CEFS,OTHER	Course Code 329930

Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 6-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	Short Name **CEFS,OTHER**	Course Code **329931**

Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 6-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	Short Name **CEFS,OTHER**	Course Code **329932**

Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 6-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	**Short Name** CEFS,OTHER	**Course Code** 329933

Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 6-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	**Short Name** CEFS,OTHER	**Course Code** 329934

Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 6-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

COMMUNICATION & INFORMATION SYSTEMS

	Short Name	Course Code
PROGRAMMING I	**PROG I**	**270401**

Programming I covers fundamental concepts of programming. These are provided through explanations and effects of commands and hands-on utilization of computers to produce correct output. This course introduces effective techniques necessary for the efficient solution of a variety of complex problems using a high-level programming language. It includes problem descriptions, flow charts, hierarchy diagrams, pseudocode, and program documentation as a means of solving these problems. This course emphasizes the creation of efficient algorithms through fundamental programming techniques such as input/output handling, programming structures, and data storage. Students are introduced to project management techniques, including standard debugging techniques and collaborative programming strategies.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

	Short Name	Course Code
PROGRAMMING II	**PROG II**	**270402**

Students will demonstrate advanced skills in the software development life cycle through in-depth use of a modern programming language. The content covered will include high-level, object-oriented concepts, while emphasizing the design of elegant solutions and efficient algorithms. Topics covered include the use of simple data types as well as complex data structures, best practices in application design, and the collaborative and social aspects of computing.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

	Short Name	Course Code
PROGRAMMING III	**PROG III**	**270403**

Students will demonstrate advanced skills in the program development process through expanded use of programming language. Languages may include, but are not limited to C++, Visual Basic, Java, SQL, RPG, COBOL and Assembler. Students demonstrating advanced level programming knowledge and skills may be exposed to collaborative environments that simulate project environments.

Recommended Level: Grades 11-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS

INFORMATION TECHNOLOGY APPLICATIONS I

Short Name	Course Code
ITECH I	**270501**

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally.

Recommended Level: Grades 9-10

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INFORMATION TECHNOLOGY APPLICATIONS II

Short Name	Course Code
ITECH II	**270502**

This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students taking both Information Technology Applications I and II may be eligible for dual credit at a participating postsecondary institution. Skills, standards, and coursework align with industry certifications.

Recommended Level: Grades 9-10

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

INFORMATION TECHNOLOGY FUNDAMENTALS

Short Name	Course Code
ITECH FUND	**270504**

Students are introduced to the proper use of information technologies (IT). In addition, they will be introduced to hardware and software selection and use, technology resource support, and ethical issues. Students will investigate information technology careers and certifications in networking, programming and IT support services. Units would include, but not be limited to, exploring concepts in networking, programming, and support services, computer hardware components and peripherals, system and application software, and impact of technology on society.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

CISCO I: INTRODUCTION TO NETWORKS

Short Name	Course Code
INTRONET	**270505**

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. By the end of this course, students will be able to build simple LANs, perform basic configurations for routers and switches and implement IP addressing schemes.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INFORMATION TECHNOLOGY	2701

CISCO II: ROUTING AND SWITCHING ESSENTIALS

Short Name	Course Code
R&S ESSEN	**270506**

This course describes the architecture, components and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPvl, RIPv2, single area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. CCNA II is part of the CISCO Certified Network Associate program that prepares students for the CCENT industry certification.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

CISCO III: SCALING NETWORKS

	Short Name	Course Code
	SCAL NET	**270507**

This course describes the architecture, components and operations of routers and switches in a larger and more complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. CISCO III is part of the Cisco Certified Network Associate program that prepares students for industry certification.

Recommended Level: Grades 11-12

Career Cluster: Informational Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701

NETWORKING

	Short Name	Course Code
	NET SYS	**270601**

This course is a study of the fundamentals of current networking technology. Students will learn to design, plan, implement, and support computer networks. The course introduces a full range of computer networking from local area networks to wide area networks.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701

DIGITAL MEDIA

	Short Name	Course Code
	DIG MEDIA	**270602**

Students will create, design and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management and web processes.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

FOUNDATIONS OF WEB DESIGN

Short Name	Course Code
WEB DESIGN	**270604**

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

PC SUPPORT AND MAINTENANCE

Short Name	Course Code
PC SUPP	**270606**

Students enter the world of computer technology and gain practical experience in assembling a computer system, installing an operating system, troubleshooting computers and peripherals, and using system tools and diagnostic software. They develop skills in resource sharing. In addition, students explore the relationships between internal and external computer components. Emphasis is placed on customer service skills and career exploration.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INFORMATION TECHNOLOGY SUPPORT

Short Name	Course Code
ITECSUP	**270607**

Students will explore the issues related to providing information technology support to organizations. They will practice effective customer support strategies and learn troubleshooting techniques for hardware, software, and operating systems. Students will recommend technology products, design training documentation, and identify security threats.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

INTRODUCTION TO MEDIA	**Short Name**	**Course Code**
	INT MEDIA	**270608**

Students enrolled in this course will explore media skills for a variety of purposes (e.g., print, broadcast, video, audio, Internet, mobile). Students will learn about the power of the media and its historical development, current trends, and future innovations. Legal and ethical standards will be introduced as students begin the writing and editing process through hands-on opportunities with equipment and software.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology, and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

VIDEO PRODUCTION	**Short Name**	**Course Code**
	VIDEO PROD	**270609**

Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as print, web, podcast, and/or broadcast. The emphasis of Video Production is on collaboration and career exploration.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

COMMUNICATION & INFORMATION SYSTEMS

	Short Name	Course Code
MEDIA PRODUCTION	**MED PROD**	**270610**

Students will apply their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will produce in a variety of media, such as print, broadcast, video, audio, Internet, and/or mobile. The emphasis of Media Production II is to work both independently and collaboratively to create a professional product while meeting deadlines.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

	Short Name	Course Code
DIGITAL DESIGN	**INT DIGTL**	**270611**

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphics, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines. Career opportunities in digital design will be explored.

Recommended Level: Grades 9-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

ADVANCED DIGITAL DESIGN

	Short Name	Course Code
	ADV DIGTL	**270613**

Students will focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, graphics, animation, sound, video, and digital imaging in interactive projects. These skills can prepare students for entry-level positions and other occupational or educational goals.

Recommended Level: Grades 11-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

ADVANCED PLACEMENT COMPUTER SCIENCE A

	Short Name	Course Code
	AP COMSC A	**270700**

The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design and abstraction. Students are expected to be familiar with and be able to use standard Java library classes from the AP Java subject. Students should be able to read and understand a description of the design and development process leading to such a program. This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.org

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMPUTER SCIENCE A

	Short Name	Course Code
	COMSC A	**270701**

Computer Science A focuses on further developing computational thinking skills through app development for mobile platforms. The course utilizes industry-standard tools. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

Short Name	**Course Code**
AP CSP	**270702**

The course introduces the essential ideas of computer science with a focus on how computing can impact the word. Along with the fundamentals of computing, one will learn to analyze data, information, or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.org

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMPUTER SCIENCE PRINCIPLES

Short Name	**Course Code**
CSP	**270703**

Computer Science Principles introduces students to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computer, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

FOUNDATIONS OF COMPUTING

Short Name	**Course Code**
FNDCOMP	**270704**

Designed to be the first computer science course for students who have never programmed before. Foundations of Computing is a starting point for Computer Science. Students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS

SOFTWARE DEVELOPMENT

	Short Name	Course Code
	SOFDEV	**270705**

Students will demonstrate advanced skills in the software development life cycle through in-depth use of a modern programming language. The content covered will include high-level, object-oriented concepts, while emphasizing the design of elegant solutions and efficient algorithms. Students will apply what they have learned through real world application.

Career Cluster: Information Technolog

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

WEB DESIGN AND DEVELOPMENT

	Short Name	Course Code
	WEBDEV	**270706**

Students will demonstrate advanced knowledge of web design and development, including HyperText Markup Lanaguage (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to the development and coding of a website. This course may be available for dual credit at a postsecondary institution.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701

CYBERSECURITY

	Short Name	Course Code
	CYBER	**270707**

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Students will solve problems by understanding and closing these culnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS

PROJECT LEAD THE WAY - COMPUTER SCIENCE PRINCIPLES

	Short Name	Course Code
	PLTW-CSP	**270708**

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

PROJECT LEAD THE WAY - COMPUTER SCIENCE A

	Short Name	Course Code
	PLTW-CSA	**270709**

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP CS A course.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

PROJECT LEAD THE WAY – COMPUTER SCIENCE ESSENTIALS

	Short Name	Course Code
	PLTW-CSE	**270710**

In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS

PROJECT LEAD THE WAY – CYBERSECURITY	**Short Name** **PLTW-CYBER**	**Course Code** **270711**

Students explore the tools and concepts of cybersecurity and create solutions that allow people to share computing resources while protecting privacy.

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION AND INFORMATION SYSTEMS, OTHER	**Short Name** **COMP OTHER**	**Course Code** **279930**

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHER	**Short Name** **COMP OTHER**	**Course Code** **279931**

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS

COMMUNICATION AND INFORMATION SYSTEMS, OTHER

Short Name
COMP OTHER

Course Code
279932

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHER

Short Name
COMP OTHER

Course Code
279933

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHER

Short Name
COMP OTHER

Course Code
279934

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

EDUCATION AND TRAINING

INTRODUCTION TO EDUCATION AND TRAINING

	Short Name	Course Code
	INTR EDTR	**350001**

This course is designed to introduce students to career opportunities and related skills in the Education and Training career field, including teaching and professional educational training. Students will explore topics related to the foundation and history of education, the philosophy of education, roles of educators, instructional and assessment methods, diversity of cultures and communities related to educational settings, learner development, and professional development. Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization.

Recommended Level: Grades 9-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

BEST PRACTICES IN EDUCATION AND TRAINING

	Short Name	Course Code
	BESTP ET	**350002**

This course is a continuation of the Introduction to Education and Training course and is the second course in a three course sequence. Students will further engage in topics related to instructional and assessment methods, including differentiation of instruction. Students will also develop active listening skills necessary for educators, and demonstrate positive feedback techniques. Students will gain skills related to planning for instruction, which will be utilized in the field experience (the third course in this sequence). Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization.

Recommended Level: Grades 10-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

FIELD EXPERIENCE IN EDUCATION AND TRAINING

	Short Name	Course Code
	ET FIELD	**350010**

This course is a continuation of the Best Practices in Education and Training course and is the third course in a three course sequence. Through this capstone experience, students will apply previously developed knowledge and skills into a structured workplace experience. This volunteer experience may take place within a school environment for those seeking teaching careers, or within the business and industry community for those seeking careers in professional educational training. Goals are set cooperatively by students, their instructor, and respective supervising professionals. Opportunities may include experience teaching in a controlled setting by designing learning experiences and facilitating presentations. Students will focus on improving their instructional strategies through coaching from their teacher and supervising professionals. Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization..

Recommended Level: Grades 10-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING

EDUCATION AND TRAINING, OTHER	Short Name	Course Code
	EDTR, OTH	**359930**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHER	Short Name	Course Code
	EDTR, OTH	**359931**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHER	Short Name	Course Code
	EDTR, OTH	**359932**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING

EDUCATION AND TRAINING, OTHER	Short Name EDTR, OTH	Course Code 359933

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHER	Short Name EDTR, OTH	Course Code 359934

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

HEALTH SCIENCES

EXPLORATION OF HEALTH SCIENCES

	Short Name	Course Code
	EXPLORE HS	**077200**

Introduction to Health Science careers within the five pathways. This course may provide experiences along with information and knowledge related to the health care field.

Recommended Level: Middle/Junior High

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700

PLTW MEDICAL DETECTIVES

	Short Name	Course Code
	PLTW MD	**077201**

This course is taught at the middle school level. Medical Detectives (MD) explores the biomedical sciences through hands-on projects and labs that require students to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis and treatment of diseases, as well as human body systems such as the nervous system. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grade 8

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES I

	Short Name	Course Code
	HLTHSC I	**077300**

This course is designed to introduce students to career opportunities and related skills in the Health Science career field. Students will explore topics related to; health informatics, biotechnology research, therapeutic certificated services, behavioral health, life span performance and allied/public health. This course also focuses on cost and educational requirements of health science professions, ethical and legal responsibilities, the history and economics of health care.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES II

	Short Name	Course Code
	HLTHSC II	**077301**

This course is a continuation of the Health Sciences I course and is the second course in a three course sequence. Instruction includes anatomy and physiology, medical terminology, medical ethics and law, diseases and disorders, positive and negative health and wellness behaviors, and basic first aid. Students will gain skills related to continuing in the health sciences career field, which will be utilized in the Project Based Learning experience (the third course in this sequence).

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization..

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES III

Short Name
HLTHSCIII

Course Code
077302

This course is a continuation of Health Sciences I and Health Sciences II and is the third course in a three course sequence and has been designed for the student to explore a variety of health science careers or an in-depth study of a specific health science career. Course work would include work-based learning experiences, advanced career planning, and mentorship opportunities in the student's career interest. Using the Buck Institute for Education, Project Based Learning model, students will individually or as a group, engage in a school or community wide or a CTSO project based learning experience. This course can be designed as an independent study to better fit the needs of the student.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grade 12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

PERSONAL AND COMMUNITY MEDICAL ISSUES/PUBLIC HEALTH

Short Name
MEDISSPH

Course Code
077303

Students will gain an increased understanding of how their personal health is influenced by a wide range of biological, environmental, political, and societal factors, and will explore the numerous ways in which public health professionals are trained to promote and protect population health and well-being locally, regionally, at the national, as well as the global level. This course will engage students in critical conversations around how they can influence their own, as well their community's health outcomes through education and advocacy efforts. A variety of both acute and chronic diseases will be explored from a public health perspective.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

EXPLORING THE CLINICAL LAB

Short Name
CLINLAB

Course Code
077304

This course provides students with the art and science of the clinical laboratory. The class will explore the global range of career opportunities and traits available in the clinical lab. Students will job shadow in the community to gain real life clinical lab experience. Examination of legal and ethical issues will be covered throughout the class. Participants will have hands on practice with lab techniques, equipment, and record keeping relevant to medical, veterinary, dental, biotechnology, agricultural and food science and multiple other professions.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

NURSING ASSISTANT/CNA

Short Name
NA/CNA

Course Code
077400

This is a basic nursing knowledge and skills course for the nurse assistant in a health care setting. It meets the requirements of Public Law 100-203 OBRA and is approved by the Nebraska Department of Health. This course is required to be taught by a R.N. or B.S.N. in order for students to receive high school credit, arrangements need to be made to insure teaching certification. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

MEDICATION AIDE	**Short Name** **MEDAIDE**	**Course Code** **077401**

A course of instruction in which an individual receives training in administering medications, this course has minimum requirement of 40 hours and students must be 18 yrs of age in order to sit for the written exam administered by the state board of Health and Human Services. This course must be taught by an R.N. licensed in QMA. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

EMERGENCY MEDICAL TECHNICIAN/CERT	**Short Name** **EMT/CERT**	**Course Code** **077402**

This course is designed and based on the Department of Transportation's National Highway Safety Administrations Emergency Medical Technician National Education Standards for teaching basic emergency medical care and transportation of critical and emergent patients who access the emergency medical system. This course focuses on the basic knowledge and skills necessary to provide care and transportation is an emergency situation providing the link between the emergency scene to the emergency health care system. Students learn to perform interventions with the basic equipment typically found on an ambulance.

This must be taught by a State licensed Emergency Medical Services - Instructor. Students must complete course and successfully complete the National Registry of Emergency Medical Technician's certification examination in order to apply for a State EMT license. Students must have reached the age of 18 in order to sit for the exam. A cooperating Nebraska endorsed teacher must collaborate with this course if the EMS instructor does not have a postsecondary dual-credit or a career education teaching permit. This course may be available for dual credit at a postsecondary institution.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grade 11
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

PHARMACY TECHNICIAN

Short Name
PHARM TECH

Course Code
077444

This course is an introduction to pharmacy technology professions. Employment opportunities and basic pre-pharmacy technician skills which may be utilized in either clinical and community settings such as retain, home health care and ambulatory care pharmacies. This course is recommended for students planning on pursuing careers which may require basic pharmaceutical knowledge, common health care mathematical applications and/or technical proficiency in the administration medications. After the completion of this course, students may be eligible to take the Pharmacy Technician Certification Exam (PTCE) through the Pharmacy Technician Certification Board (PTCB). This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Prerequisites for the course are Introduction to Health Sciences (077300) and Medical Terminology (077600).

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
HEALTH SCIENCES	0700
SCIENCE	1301

PHLEBOTOMY TECHNICIAN

Short Name
PHL TECH

Course Code
077446

This is a semester course designed to help the student become prepared for the phlebotomy technician certification exam upon completion of all required components. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

INTRODUCTION TO SPORTS MEDICINE

Short Name
SPORTS MED

Course Code
077500

This course is designed for students who may be interested in a career in Sports Medicine. This course should feature the prevention, recognition, treatment, and rehabilitation of activities caused by physical activity or athletics. Topics may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, medical terminology. Students may learn to measure cardio respiratory endurance, flexibility, body composition, and blood pressure. CPR/AED certification is a prerequisite for this course or a required outcome of the course. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 10-12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

MEDICAL TERMINOLOGY

Short Name
MED TERM

Course Code
077600

This course is designed to help students learn medical language by analyzing their components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

EXERCISE SCIENCE

Short Name
EXER SCI

Course Code
077601

This course is appropriate for students wishing to pursue a career in personal training or for those who desire an introduction in the field of exercise science. The course will enable students to perform fitness assessments, according to current national guidelines and to use data to develop exercise and training routines, fitness plans and nutritional programs to fit the needs of clients. Successful completion of this course along with any other requirements may lead to a potential eligibility to take the Personal Trainer Exam through a certifying body. Leadership development activities of the career and technical student organization HOSA|Future Health Professionals is strongly encouraged.   This course may be available for dual credit at a postsecondary institution. Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Prerequisites for this course are Introduction to Health Sciences (077300) and Anatomy/Physiology (130210).
Recommended Level: Grades 11 -12   Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

PERFORMANCE NUTRITION

Short Name
SPORT NUTR

Course Code
077701

This course is designed to give students an introduction to professional or support careers in the field of Performance and Sport Nutrition. This course includes instruction on the principles and science of basic nutrition; its relationship to individual health throughout the entire life cycle; how nutrients have an effect on personal health; how nutrients can both positively and negatively impact the human body before, during and after performance.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HUMAN LIFE CYCLE NUTRITION

Short Name
HULICY NUT

Course Code
077702

This course is designed to give students an understanding of human nutrition and how it places a roll in every human life cycle. Every human age category and it's nutritional requirements for positive health and the impact of nutritional deficiencies will be studied.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.
Recommended Level: Grades 11

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

HEALTH INFORMATION TECHNOLOGY

Short Name
HIT

Course Code
077800

Health Information Technology (HIT) is the management and use of information in Health Sciences related to, but not limited to, communications, legal & ethical implications, data management & organization, and technology applications. Completion of this course allows the student to obtain entry-level competencies defined by the American Health Information Management Association. These are nationally accepted standards of practitioner roles and function. This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
HEALTH SCIENCES	0700
INFORMATION TECHNOLOGY	2701

HEALTH SCIENCES

BEHAVIORAL HEALTH I

Short Name   **Course Code**

BEHAV HE I   **077801**

This is the first of two one a semester courses that establishes a foundation that is necessary to understand and investigate the field of Behavioral Health. Course emphasis is placed on teaching students to successfully investigate the Behavioral Health workforce structure and acquire awareness and knowledge of career area.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

BEHAVIORAL HEALTH II

Short Name   **Course Code**

BEHAV HEII   **077802**

Student must have completed Behavioral Health I in order to take this course. Course establishes a foundation that is necessary to understand and investigate the field of Behavioral Health. Course emphasis is placed on teaching students to successfully investigate the Behavioral Health workforce structure and acquire awareness and knowledge of career area.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

HEALTH SCIENCES

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE I

Short Name
PLTW BMD I

Course Code
077803

This is the first of two courses. Students must complete this course in order to take Biomedical Science II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 9-10
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE II

Short Name
PLTW BMDII

Course Code
077804

This is the second of two courses. Students must complete Biomedical Science I in order to take this class. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 9-10
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

HEALTH SCIENCES

PLTW HUMAN BODY SYSTEMS

Short Name: PLTW HBS I
Course Code: 077805

This is the first of two courses. Students must complete in order to take Human Body Systems II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

PLTW HUMAN BODY SYSTEMS II

Short Name: PLTW HBSII
Course Code: 077806

This is the second of two courses. Student must complete Human Body Systems I in order to take this course. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

HEALTH SCIENCES

PLTW MEDICAL INTERVENTIONS I

Short Name
PLTW MI I

Course Code
077807

This is the first of two courses. Students must take this course in order to take Medical Interventions II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

PLTW MEDICAL INTERVENTIONS II

Short Name
PLTW MI II

Course Code
077808

This is the second of two courses. Students must have taken Medical Interventions I in order to take this course. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

HEALTH SCIENCES

PLTW BIOMEDICAL INNOVATION I	Short Name **PLTW BMI I**	Course Code **077809**

This is the first of two courses. Student must take this course in order to take Biomedical Innovation II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In this capstone course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gain from previous courses to design innovation solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 12
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

PLTW BIOMEDICAL INNOVATION II	Short Name **PLTW BMIII**	Course Code **077810**

This is the second of two courses. Student must have taken Biomedical Innovation I in order to take this class. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In this capstone course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gain from previous courses to design innovation solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 12
Career Cluster: Health Sciences

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

HEALTH SCIENCES

HEALTH INFORMATION MANAGEMENT AND ETHICS

Short Name	Course Code
HE ITMA ET	**077812**

This course establishes a foundation that is necessary to understand and investigate the field of Health Information Management and Ethics. Legal relationships of physicians and patients, management of communications, contractual agreements, professional liability, malpractice, medical practice acts, and biotechnical issues will be covered with emphasis placed on legal terms, professional attitudes, and the principles of basic concepts of ethics involved in providing medical services.

This course may be available for dual credit at a postsecondary institution.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization..

Recommended Level: Grades 10-12
Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

ALLIED HEALTH AND MEDICINE

Short Name	Course Code
ALL HEALTH	**077900**

This class will give student practical application at a clinical site or simulated experience. These experiences can occur in a variety of locations included classroom/lab and availability of community resources as determined by the instructor. The experiences should be designed to enhance and supplement the students' knowledge and skill in allied health. The class also includes research for a professional career of interest documented by a professional portfolio.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name	Course Code
HS OTHER	**077930**

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES, OTHER

Short Name	Course Code
HS OTHER	**077931**

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name
HS OTHER

Course Code
077932

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES, OTHER

Short Name
HS OTHER

Course Code
077933

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name	Course Code
HS OTHER	**077934**

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BIOLOGY	1303
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM

Short Name HOSP TOUR

Course Code 370010

Hospitality and Tourism provides the student with an understanding of one of the largest industries in the world. Specific applications include the evolution of the industry, food and beverage, lodging, international and domestic travel, business operations, and hospitality and tourism career exploration.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

CULINARY SKILLS 1

Short Name CULINARY1

Course Code 370021

This course is designed to provide students with curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, food safety and sanitation, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 10-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903

CULINARY SKILLS 2

Short Name CULINARY2

Course Code 370022

This course is designed to provide students with an advanced curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration. ServSafe Certification may be available at this level through the National Restaurant Association Educational Foundation.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 10-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

	Short Name	**Course Code**
PROSTART 1	**PROSTART1**	**370030**

This foundational course is an industry-driven curriculum delivered by the National Restaurant Association that prepares students for careers in the restaurant and foodservice management industry. This course will focus on the following topics: career paths, safety and sanitation, industry standards, food methods and techniques, food service management, and customer services.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 10-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903

	Short Name	**Course Code**
PROSTART 2	**PROSTART2**	**370031**

This course is designed to provide students with an industry-driven curriculum delivered by the National Restaurant Association providing real-life opportunities and the application of practical skills encompassing culinary techniques and management skills.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 10-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
FAMLY/CONSMR SCIENCE	0903

	Short Name	**Course Code**
HOSPITALITY AND TOURISM, OTHER	**HOSPTOTH**	**379930**

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska DECA, FBLA, FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER

Short Name
HOSPTOTH

Course Code
379931

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska DECA, FBLA, FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER

Short Name
HOSPTOTH

Course Code
379932

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska DECA, FBLA, FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER

Short Name
HOSPTOTH

Course Code
379933

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska DECA, FBLA, FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER	**Short Name** **HOSPTOTH**	**Course Code** **379934**

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska DECA, FBLA, FCCLA and SkillsUSA Career Student Organizations.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

FAMILY AND CONSUMER SCIENCES 6

Short Name	Course Code
FACS 6	**090005**

This is a course designed with the introductory concepts of Family and Consumer Sciences in mind. Students will develop their knowledge of family living, decision making, nutrition, and consumer practices.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

FAMILY AND CONSUMER SCIENCES 7

Short Name	Course Code
FACS 7	**090006**

This intermediate course is designed to extend learning of Family and Consumer Sciences concepts. Student will develop their knowledge of family living, decision making, nutrition and wellness, independent living, and consumer practices.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

FAMILY AND CONSUMER SCIENCES 8

Short Name	Course Code
FACS 8	**090007**

This Family and Consumer Sciences advanced course will develop students' knowledge and skills in areas of relationships, family living, team work and conflict management, nutrition and wellness, consumer practices, and independent living.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

HUMAN SERVICES/FACS

INTRODUCTION TO HUMAN SCIENCE/FACS

Short Name	Course Code
INT HUMAN	**090101**

This course is intended to enable students to have a broad scope of experiences that will provide an overview and fundamental knowledge and essential skills of Human Science with a foundation of, but not limited to family and consumer sciences. Students will explore career possibilities and develop a personal learning plan. Students will practice basic life and career readiness skills and learn to apply them to personal life situations.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level - Grades 9 -10

Career Cluster - Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

TEXTILE CONSTRUCTION

Short Name	Course Code
TEXTILES	**090103**

This course provides instruction in social, psychological and historical aspects of clothing and textiles. Textile and apparel design, selection, construction, maintenance and alteration of textile products will be analyzed and taught. This course integrates knowledge, skills, and practices required for careers in textiles and scientific research.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

LIFE AND CAREER READINESS

Short Name	Course Code
L/C READI	**090104**

This course is designed to help students learn to manage issues in everyday living, prepare for personal life and career responsibilities and develop employability skills. Participation in this course provides a catalyst to greater self-awareness, enhanced relationships, improved cultural competencies and increased control over choosing direction for one's own life and career.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grade 9-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

FUNDAMENTALS OF FOOD AND NUTRITION

Short Name NUTRI FOOD   **Course Code** 090107

This course is designed to provide students with the base foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic preparation skills and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HOME DESIGN AND INTERIORS

Short Name HOUSING   **Course Code** 090109

This course provides instruction in the physical, physiological and social influences of housing styles and options; exterior and interior design; selection, use and care of home furnishings and equipment; use of available resources for achieving improved living space to meet individual and family needs; and exposure to careers related to housing and interior design.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

FOOD SCIENCE

Short Name FOOD SCI   **Course Code** 090113

Instruction which provides students with an understanding of the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products, constituents of foods, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science applications, and, exposure to careers related to food science.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and FFA Career Student Organizations.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

INTERPERSONAL RELATIONSHIPS

Short Name: RELATION
Course Code: 090116

The course includes the study of interpersonal relationships and the effect of these relationships on the well-being of individuals, families, work and society. The course includes concepts such as effective communication, establishing and maintaining relationships, diverse family systems, characteristics of personal development and the impact of relationships on personal and career success.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

PARENTS AND FAMILIES

Short Name: PARENTING
Course Code: 090117

Students will evaluate the effects of parenting roles and responsibilities on the well-being of individuals and families. In this course students will explain the following: influences on parenting, decisions to parent, support services for parents, positive actions to support the physical, emotional, intellectual, and social development of family members, parenting theories, and family adjustment to parenthood.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

CHILD DEVELOPMENT

Short Name: CHILD DEV
Course Code: 090119

This course integrates knowledge, skills and practices necessary for nurturing the growth and development of children. The study of the physical, emotional, social, and intellectual aspects related to prenatal through age 12 will be studied in addition to the positive and negative factors that impact child growth and development.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

EARLY CHILDHOOD EDUCATION AND SERVICES

Short Name
EARLY CHD

Course Code
090121

In this course students will explore education and community resources available for the education and necessary services of young children. Students will be exposed to educational needs and resources as well as begin the development of lesson plans and lesson plan components for the education of young children as well as the career skills necessary for a career in early childhood education and services.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

EARLY CHILDHOOD PRACTICUM

Short Name
CHILD PRAC

Course Code
090122

This course is designed to provide students a hands-on early childhood education experience. Course time is used as an interactive learning environment in which students are actively teaching young children. Students will compile their information toward an employment portfolio.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

HUMAN GROWTH AND DEVELOPMENT

Short Name
HUMAN GROW

Course Code
090123

This course explores the physical, emotional, social, and intellectual development of individuals across the lifespan. External impacts on development including family structure and practices, social and technological forces, and resources available to individuals and their outcomes will be explored.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

HUMAN SERVICES/FACS

NUTRITION

	Short Name	Course Code
	NUTRITION	**090124**

In this course, students develop a deeper understanding of nutrition concepts including reading food labels, analyzing dieting practices including eating disorders, impacts on food consumption and food choices, as well as the role of government nutrition programs.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

DIETETICS

	Short Name	Course Code
	DIETETICS	**090125**

Students apply advanced nutritional concepts to specific lifestyle requirements including athletic nutritional needs and needs across the lifespan. Students will evaluate nutrition and wellness practices and suggest improvement plans based on current USDA recommendations and socioeconomic impacts on eating. In this course, students will assess career options and employment skills required to be in the food and nutrition industry.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

INTRODUCTION TO DESIGN PRINCIPLES

	Short Name	Course Code
	INT DESIGN	**090126**

Students explore the definition and application of elements and principles of design in both living spaces and clothing and textiles. In this course, students will also evaluate the use of elements and principles and suggest improvements. Students are also exposed to career opportunities and the skills necessary for these career fields.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 9-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

FAMILIES IN CRISIS

Short Name
FAM CRISIS

Course Code
090127

In this course students identify positive and negative impacts on families including stress, changes in the family life cycle, grief and loss, and mental health disorders. Students will compare and contrast counseling services needed to support families and the types of services available to address conflict and abuse.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

CAREERS IN MENTAL HEALTH

Short Name
CAREER MTL

Course Code
090128

Students will explore the career skills and educational requirements of the variety of careers available that relate to counseling and mental health. Students will examine mental health services and resources in depth and may obtain Mental Health First Aid certification.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

FASHION DESIGN

Short Name
FASHION

Course Code
090206

Fashion Design explores the evolving field of the clothing we wear and why we wear it. Students will examine fashion design through historical and current frameworks, consider the process of a design from concept to consumer purchase, and identify key components of fashion pieces that distinguish it from others.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

THE BUSINESS OF TEXTILES

Short Name
AD TEXTILE

Course Code
090207

This course will bring together the parts of knowledge that emphasizes the textiles and bio-fibers, textile production and issues concerning the global textile industry. Students will be required to demonstrate that they can combine concepts to build new ideas for new situations. This course is designed for students interested in careers in the areas but not limited to sales, research or management in the textile industry.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

LEADERSHIP AND ETHICS IN HUMAN SERVICES

Short Name
LEADER HS

Course Code
090208

This course is designed to provide a background of leadership styles and information on the necessary leadership skills including collaboration, ethics and teamwork. The course is assessed with a real-life opportunity to demonstrate one's own leadership style through a practical, personal experience.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: 9-12 grade

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

CONSUMER ECONOMICS

Short Name
CONECON

Course Code
090209

Study directly focuses on students learning the life readiness skills needed to evaluate and implement best management practices related to human, economic and environmental resources. This course of study includes personal and family financial literacy, consumer mathematics and life/work literacy that contribute to the overall wellness and functionality of today's individual.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 11-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name   **Endorsement Number**

FAMLY/CONSMR SCIENCE   0903

HUMAN SERVICES/FACS

HUMAN SERVICES/FACS, OTHER	Short Name	Course Code
	HSR OTH	**099930**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS, OTHER	Short Name	Course Code
	HSR OTH	**099931**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS, OTHER	Short Name	Course Code
	HSR OTH	**099932**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS

HUMAN SERVICES/FACS, OTHER

	Short Name	Course Code
	HSR OTH	**099933**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FACS, OTHER

	Short Name	Course Code
	HSR OTH	**099934**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
FAMLY/CONSMR SCIENCE	0903

LAW, PUBLIC SAFETY AND SECURITY

FOUNDATIONS OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY	**Short Name** LAW	**Course Code** 390010

An exploration of the five pathways of this career cluster: correction services, emergency and fire management services, law enforcement services, legal services and security and protective services, including exposure to careers within all pathways.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

INTRODUCTION TO CRIMINAL JUSTICE	**Short Name** INCRIM JST	**Course Code** 390015

An overview of the history, development and philosophies for crime control and the role of law enforcement within a democratic society. Topics would include an examination of the criminal justice system with an emphasis on the police, the courts (prosecution and defense) and the correctional agencies, and exposure to careers related to criminal justice.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
Other Endorsement	8888

INTRODUCTION TO FIRE & EMERGENCY SERVICES	**Short Name** FIRE SERV	**Course Code** 390020

An introduction to fire prevention and control including the chemistry of combustion, factors that influence fire and safety procedures. May also introduce students to the organization and regulations of fire departments, emergency medical procedures and fire investigation techniques.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY

COURTS & JUDICIAL PROCESS

Short Name	Course Code
COURTS	**390025**

Examines legal aspects of investigative and arrest as well as rule governing the admissibility of evidence in court. It focuses primarily on police and correctional due process, application of the law, and civil liability concerns. Topics include search and seizure, arrest and interrogation, revocation and probation and parole, probable cause and other timely issues.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
Other Endorsement	8888

POLICE AND SOCIETY

Short Name	Course Code
POLICE	**390026**

This course examines the role of the police in relationship to law enforcement and American society. Topics include, but are not limited to the role and function of police, the nature of police organizations and police work, and the patterns of police-community relations.

Recommended Level: Grades 9-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER

Short Name	Course Code
LPSS OTHER	**399930**

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
Other Endorsement	8888

LAW, PUBLIC SAFETY AND SECURITY

LAW, PUBLIC SAFETY AND SECURITY, OTHER	Short Name **LPSS OTHER**	Course Code **399931**

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER	Short Name **LPSS OTHER**	Course Code **399932**

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
Other Endorsement	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER	Short Name **LPSS OTHER**	Course Code **399933**

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY

LAW, PUBLIC SAFETY AND SECURITY, OTHER	**Short Name** **LPSS OTHER**	**Course Code** **399934**

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
Other Endorsement	8888

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO THE BUILT ENVIRONMENT

Short Name
INTBLD ENV

Course Code
100100

This course provides the skills and technical knowledge for a beginning student in areas of industry, safety, material, equipment and process understanding. The student will develop awareness construction, design, and manufacturing areas. This course serves as an introductory course to material processing and drafting.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction and Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

PRINCIPLES OF CONSTRUCTION TECHNOLOGY

Short Name
PRIN CONST

Course Code
100110

This course provides an overview of the total construction process. Students will develop problem-solving and critical-thinking skills by identifying the relationship between resources and requirements of a project/problem to accomplish realistic planning.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED CONSTRUCTION TECHNOLOGY

Short Name
ADV CONST

Course Code
100120

This course is designed for the student pursuing a career as a construction professional. Technical skills are combined with planning and management topics to prepare the student for all stages of a project. This course explores opportunities and career pathways within the residential, commercial, and industrial sectors, and walks the student through the planning, execution, and reporting of a project.

Recommended Level: Grades 11-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ARCHITECTURE AND CONSTRUCTION

Short Name	Course Code
ARCH/CONST	**100130**

This course builds the skills necessary to understand what is being communicated through drawings and documents, and in turn, convey ideas, duties, and tasks to others in a form representing the industry. Students will use and follow industry specific verbal and visual skills to accomplish workplace/jobsite communications. Students will also integrate structural systems, environmental systems, safety systems, building envelope systems, and building service systems to design modern buildings. Students will review traditional project phases and various roles within them to plan for and implement phases within a project. Students will develop preliminary drawings in computer generated plans that will be used in design and pre-construction. Computer-aided drafting/design (CADD) may be used.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

COMPUTER AIDED DRAFTING

Short Name	Course Code
CAD	**100140**

This course provides students with a broad introduction into Computer-Aided-Drafting (CAD). With hands-on exercises, assignments and projects, students gain the capability to use CAD to model projects and create and distribute industry-standard drawings.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

APPLICATIONS IN DESGIN AND PRE-CONSTRUCTION

Short Name	Course Code
APPDESIGN	**100141**

In this class, the students will create residential architectural working drawings, using CAD, necessary for a standard building permit. With hands-on exercises, assignments and projects, students gain the capability to use CAD to model a house project and create and distribute industry-standard drawings.

Recommended Level: Grades 11-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW PRINCIPLES OF ENGINEERING

Short Name	Course Code
PLTW P/ENG	**100160**

Principles of Engineering (POE) is a Project Lead The Way survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have the opportunity to investigate engineering and high tech career. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW INTRODUCTION TO ENGINEERING DESIGN

Short Name	Course Code
PLTW ENG	**100161**

This course encourages students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimension modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW CIVIL ENGINEERING AND ARCHITECTURE

	Short Name	Course Code
	PLTW CIVIL	**100162**

Civil Engineering and Architecture is a Project Lead The Way course that includes the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 10-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW ENGINEERING DESIGN AND DEVELOPMENT

	Short Name	Course Code
	PLTW ENG D	**100163**

Engineering Design and Development (EDD) is the capstone course in in the Project Lead The Way high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: 10-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
EARTH AND SPACE SCIENCE	1305
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW AEROSPACE ENGINEERING

Short Name PLTW AERO

Course Code 100164

Aerospace Engineering (AE) is a Project Lead The Way course that includes the study of the engineering discipline which develops new technologies for use in aviation, defense systems, and space exploration. The course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems and related careers. In addition the course presents alternative applications for aerospace engineering concepts.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 10-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW BIOTECHNICAL ENGINEERING

Short Name PLTW BIO

Course Code 100165

Biotechnical Engineering (BE) is a Project Lead The Way course designed to expose students to the diverse fields of biotechnology including biomedical engineering, biomolecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems that can be accomplished in a high school setting related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology tissue engineering, biomedical devices, human interface, bioprocesses, forensics, and bio-ethics. Students in this course will apply biological and engineering concepts to design materials and processes that directly measure, repair, improve, and extending living systems.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 11-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BIOLOGY	1303
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ELECTRONICS

Short Name	Course Code
INT ELECT	**100401**

Electronics – Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devises, amplifiers, and semiconductors. Skills covered involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

Recommended Level: Grades 10-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED ELECTRONICS

Short Name	Course Code
ADV ELECT	**100402**

Advanced electronics theory and application. Circuitry diagnostics and the application and design of circuits using the principals of analog and digital electronics will be used.

Recommended Level: Grades 10-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

| **PLTW DIGITAL ELECTRONICS** | **Short Name** **PLTW DIG** | **Course Code** **100403** |

Digital Electronics (DE) is a Project Lead The Way course designed for the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.
Recommended Level: Grades 10-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

| **ELECTRICITY** | **Short Name** **ELECTRIC** | **Course Code** **100405** |

Comprehensive courses provide an overview of the theory, terminology, tools, and practical experience in the skills needed for a career in the electrical field. This course typically includes circuitry, safety, and the National Electrical Code. This course covers skills that are involved in building circuits, wiring residential, and commercial and/or industrial buildings. Installing lighting, power circuits, cables and estimating job costs may be included.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

ENERGY EXPLORATION

	Short Name	Course Code
	ENERGY	**100406**

Energy is essential to all aspects of society. This course will provide a unique approach to understanding energy and learning about the many, varied career opportunities in this field. Students enrolled in this course will engage in the study of energy basics and fundamentals, the production and delivery of energy, and energy responsibilities and decisions.

Recommended Level: Grades 9-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENERGY GENERATION AND DISTRIBUTION

	Short Name	Course Code
	ENGENDIST	**100407**

Introduction course covering the history of electric and fluid power in the U.S. including deregulation, private and public utilities, and methods of commercial power generation including fossil fuels, nuclear power and renewable energy generation. Include overview of electrical transmission and distribution systems. System reliability and governance are covered.

Recommended Level: Grades 9-12
Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

GREEN ENERGY

	Short Name	Course Code
	GREENENG	**100408**

This course will provide a unique approach to understanding alternative, or "green" energy and learning about the many, varied career opportunities in this field. Students enrolled in this course will engage in the study of alternative or "green" energy fundamentals and innovative energy exploration for the future.   The focus of the course will center on the business and careers in the alternative, or "green" energy field with respect to the wind energy technology, renewable bio-fuels and energy efficient "green" building technology.

Recommended Level: Grades 9-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 6TH GRADE

Short Name
EXPLSTS6

Course Code
100706

In this course students will explore fundamentals in Skilled and Technical Sciences at the 6th grade level.
Course Standards : (Please list)
Student will understand and accurately apply measurement.
Students will know and model safe lab procedures and techniques.
Students will be introduced to technical communications.
Students will experience skills needed to complete a project.
Student will explore career opportunities.

Recommended Level: Middle/Junior High
Career Cluster: Foundation, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

EXPLORING SKILLED AND TECHNICAL SCIENCE - 7TH GRADE

Short Name
EXPLSTS7

Course Code
100707

In this course students will explore fundamentals in Skilled and Technical Sciences at the 7th grade level.
Course Standards : (Please list)
Student will understand and accurately apply measurement.
Students will know and model safe lab procedures and techniques.
Students will be introduced to technical communications.
Students will experience skills needed to complete a project.
Student will explore career opportunities.

Recommended Level: Middle/Junior High
Career Cluster: Foundation, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 8TH GRADE

	Short Name	Course Code
	EXPLSTS8	**100708**

In this course students will explore fundamentals in Skilled and Technical Sciences at the 8th grade level.
Course Standards : (Please list)
Student will understand and accurately apply measurement.
Students will know and model safe lab procedures and techniques.
Students will be introduced to technical communications.
Students will recognize material types and properties.
Students will demonstrate material processing.
Students will select tools for the correct operation.
Student will explore career opportunities.
Recommended Level: Middle/Junior High
Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - METALS

	Short Name	Course Code
	METAL WORK	**101400**

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to metals manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED FABRICATION AND MANUFACTURING - METALS

	Short Name	Course Code
	MFG/ADMETL	**101401**

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning , machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ENERGY, POWER AND TRANSPORTATION SYSTEMS

Short Name	Course Code
INT TRANS	**101600**

This introductory course will provide the students with entry level knowledge and skills for further study in the Transportation, Distribution and Logistics cluster. The six forms of energy, power transmission, and modes of transportation will be introduced with several activities. A special emphasis will be placed on basic electricity and electronic theory and operation. Measurement systems used in TDL will also be included in this foundation course.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

EMERGING TECH IN TRANSPORTATION & LOGISTICS

Short Name	Course Code
EMTECHTL	**101601**

Emerging Technologies in Transportation and Logistics is a course that will introduce students to the application of technologies in the transportation and logistics industries. These areas will include: trucking industry, railroad industry, aviation industry, shipping industry, and various current and emerging transportation and logistics technologies.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

DISTRIBUTION AND LOGISTICS

Short Name	Course Code
DIST/LOG	**101610**

Distribution and Logistics is a study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include: product receiving and storage, order processing, packaging, shipping, inventory control, quality control, tracking operations, and material handling safety.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

TRANSPORTATION TECH SVCS & MAINT

Short Name TRTECSERV   **Course Code** 101620

This second level semester course will expand on the basic concepts and systems utilized in the Transportation Industry. Modes of transportation, forms of energy, and power transmission will be addressed along with sub-systems of internal combustion engines. Tools, equipment, fasteners, safety and career exploration will be included in the course.

Recommended Level: Grades 10-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

AUTOMOTIVE & MOBILE EQUIP SERV & REPAIR

Short Name AUTOSERV   **Course Code** 101630

This capstone semester course in Automotive and Mobile Equipment Repair and Service will build upon the previous knowledge of skills from the Mobile Equipment Program of Study. Advanced diagnostic and repair procedure will be addressed in each of the major systems of engine repair, i.e. Ignition, fuel, cooling, lubrication, electronics, drive train, suspension & chassis, brakes, and engine performance.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

AUTOMOTIVE BODY REPAIR AND REFINISHING

Short Name AUTOREPAIR   **Course Code** 101640

Students will explore and be exposed to: Safety in the automotive workplace, careers and history in the automotive workplace, identifying damage to the vehicle, identifying tools and equipment needed for the repair, dent repair techniques, filler matters, sanding and abrasive tools as well as painting and refinishing process and techniques.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

BUSINESS LOGISTICS	Short Name **BUSLOG**	Course Code **101650**

Distribution and Logistics is a study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include: management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
BUSINESS, MARKETING, INFO TECH	0304
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

INTRODUCTION TO MECHATRONICS	Short Name **INTERMECH**	Course Code **101900**

This course prepares students for careers in manufacturing and for postsecondary education. The main focus is a core structure study in hydraulics, pneumatics, electrical, material testing, sensors, electric and pneumatic robot operations and an introduction to programmable logic controllers.

Recommended Level: Grades 9-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW COMPUTER INTEGRATED MANUFACTURING

	Short Name	Course Code
	PLTW MFG	**101901**

Computer Integrated Manufacturing (CIM) is a Project Lead The Way course designed to study manufacturing planning, integration and implementation of automation. The course explores manufacturing history. Individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality and efficiently.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - WOODS

	Short Name	Course Code
	MFG/WOODS	**101920**

This is a beginning level course in woods that introduces the student to basic knowledge and skills that are foundational to manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-11

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

ADVANCED FABRICATION AND MANUFACTURING - WOODS

Short Name
ADVFAB/WD

Course Code
101921

An advanced study of the processes used by modern industry using woods to manufacture consumer products. Safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - WELDING

Short Name
WELD

Course Code
101930

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to welding manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

ADVANCED FABRICATION AND MANUFACTURING - WELDING

Short Name	Course Code
AD WELD	**101940**

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - PLASTICS

Short Name	Course Code
MFG/PLAST	**101950**

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to plastic manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED FABRICATION AND MANUFACTURING - PLASTICS

Short Name	Course Code
MFG/ADPLAS	**101951**

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12
Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ENGINEERING

Short Name INTRO ENG   **Course Code** 103191

Introduction to Engineering (IE) is an entry level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus is to expose students to design process, research and analysis, teamwork, communication methods, engineering standards, and technical documentation. IE gives students the opportunity to develop skills and understanding through activities, projects, and problem-based learning.

Recommended Level: Grades 9-10

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENGINEERING CONCEPTS

Short Name ENG CONCEP   **Course Code** 103192

Engineering Concepts (EC) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech career opportunities which gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning.

Recommended Level: Grades 9-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENGINEERING APPLICATIONS

Short Name ENG APPL   **Course Code** 103193

Engineering Applications is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, student will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution.

Recommended Level: Grades 11-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

| **ROBOTICS** | **Short Name** **ROBOTICS** | **Course Code** **103194** |

Introduction of Robotics (IR) is designed to explore the current and future use of automation technology in industry and everyday use. Students will receive a comprehensive overview of robotic systems and the subsystems that comprise them while engaging with a robotics platform. This course is designed for students who have an interest in Energy and Engineering (CEENEG) robotics applications.

Recommended Level: Grades 9-12

Career Cluster: Energy and Engineering (CEENEG)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

| **ADVANCED ROBOTICS** | **Short Name** **ADV ROBOT** | **Course Code** **103195** |

Advanced Robotics is designed to be a continuation of the Robotics course and provide a capstone experience in a sequence of courses dealing with the current and future use of automation technology in industry. Students will continue the study and exploration of robotic systems and the subsystems that comprise them while engaging with a robotics platform. This course is designed for students who have an interest in Engineering and Manufacturing.

Recommended Level: Grades 11-12

Career Cluster: Energy and Engineering

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	**Endorsement Number**
INDUSTRIAL TECH EDUCATION	1000
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER	Short Name STSOTHER	Course Code 109930

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER	Short Name STSOTHER	Course Code 109931

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER	Short Name STSOTHER	Course Code 109932

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER	Short Name STSOTHER	Course Code 109933

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER	Short Name STSOTHER	Course Code 109934

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SOCIAL SCIENCE/SOCIAL STUDIES

HUMANITIES	**Short Name** HUMANITIES	**Course Code** 150900

The advanced study of a group of related subjects such as literature, art, music, religion, history, philosophy, and classical and modern languages, with aspects of social science/social studies forming the core; concerned with individual cultural achievements and values in society.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
ART	0200
ENGLISH	0501
HISTORY	1505
MUSIC	1201
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501

ECONOMICS	**Short Name** ECONOMICS	**Course Code** 151000

Economics is a course designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis includes allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, role of government, global economic concepts, and economic indicators.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name	Endorsement Number
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
SOCIAL SCIENCE	1501

COURSE CODES AND CLEARNING ENDORSEMENTS	Revised April 2017

Course Codes and Clearing Endorsements - Change Summary

Version 8.0.0
April 17, 2017

Numerous changes have been made to course descriptions and clearing endorsements. Please check carefully before assigning a course code.

1. **Course Codes Removed**
   080150 – Physical Education
   080200 – Physical Education I
   080300 – Physical Education II
   080400 – Physical Education III
   080500 – Physical Education IV
   080600 – Physical Education, Specialized
   080601 – Strength Training
   089933 – Physical Education, Other
   089934 – Physical Education, Other
   090108 – Advanced Human Food, Nutrition & Wellness
   270612 – Intermediate Digital Design
   320400 – C4C - Curriculum For Careers
   350015 – Early Childhood Education I
   350020 – Early Childhood Education II

2. **New Course Codes**
   011012 – MS Introduction To Ag, Food & Natural Resources
   080107 – Foundations For Physical Education and Fitness
   080108 – Beginning Swimming
   080109 – Intermediate Swimming
   080110 – Fitness Swimming and Aquatic Activities
   080111 – Introduction to Strength & Conditioning
   080112 – Intermediate Strength & Conditioning
   080113 – Advanced Strength & Conditioning
   080114 – Aerobic Training
   080115 – Advanced Aerobic Training
   080116 – Introduction to Dance
   080117 – Hip-Hop Dance
   080118 – Ballroom Dance
   080119 – Dance Performance
   080120 – Lifetime Activities
   080121 – Team Games

080122 – Outdoor Pursuits

080123 – Lifeguard Training & Water Safety Instruction Aide

080124 – Sport Officiating

080125 – Physical Education Elementary

080126 – Physical Education Middle School

090121 – Early Childhood Education and Services

090122 – Early Childhood Practicum

090123 – Human Growth and Development

090124 - Nutrition

090125 - Dietetics

090126 – Introduction To Design Principles

090127 – Families in Crisis

090128 – Careers In Mental Health

130422 – Integrated Science – Biology

130423 – Integrated Science – Chemistry

130424 – Independent Study

230803 – Study Hall

270701 – Computer Science A

270703 – Computer Science Principles

270704 – Foundations of Computing

270705 – Software Development

270706 – Web Design and Development

270707 - Cybersecurity

270708 – Project Lead The Way – Computer Science Principles

270709 – Project Lead The Way – Computer Science A

270710 – Project Lead The Way – Computer Science Essentials

270711 – Project Lead The Way - Cybersecurity

320702 – AFNR Work-Based Learning Experience

320703 – Arch and Constr Work-Based Learning Experience

320704 – Arts, AV & Com Work-Based Learning Experience

320705 – Business Mgmt Work-Based Learning Experience

320706 – Ed & Train Work-Based Learning Experience

320707 – Energy & Eng Work-Based Learning Experience

320708 – Finance Work-Based Learning Experience

320709 – Govt, Public Admin Work-Based Learning Experience

320710 – Health Science Work-Based Learning Experience

320711 – Hospitality & Tourism Work-Based Learning Experience

320712 – Human Services/FACS Work-Based Learning Experience

320713 – Information Technology Work-Based Learning Experience

320714 – Law, Public Safety Work-Based Learning Experience

320715 – Manufacturing Work-Based Learning Experience

320716 – Marketing Work-Based Learning Experience

320717 – Transportation Work-Based Learning Experience

320718 – English/Language Arts Work-Based Learning Experience

320719 – Mathematics Work-Based Learning Experience

320720 – Science Work-Based Learning Experience

320721 – Social Studies Work-Based Learning Experience

3. **Course Codes with Name Changes**

090101 – changed to: Introduction to Human Services/FACS
(was: Introduction to Human Services)

090103 – changed to: Textile Constructions
(was: Textiles Construction and Design)

090107 - changed to: Fundamentals of Food and Nutrition
(was: Human Food, Nutrition & Wellness)

090109 – changed to: Home Design and Interiors
(was: Housing and Interior Design)

090116 – changed to: Interpersonal Relationships
(was: Relationships)

090117 – changed to: Parents and Family
(was: Parenting Decisions)

090206 – changed to: Fashion Design
(was: Fashion Design and Marketing)

099930-099934 – changed to: Human Services/FACS, other
(was: Human Services, other)

130420 – changed to: Integrated Science-Physical Science
(was: Physical Science)

270601 – changed to: Networking
(was: Networking Systems)

270604 – changed to: Foundations of Web Design
(was: Web Design)

270609 – changed to: Video Production
(was: Media Production I)

270610 – changed to: Media Production
(was: Media Production II)

270611 – changed to: Digital Design
(was: Introduction to Digital Design)

320700 – changed to: Other Work-Based Learning Class
(was: Work-Based Learning/COOP/DO Class

320701 – changed to: Other Work-Based Learning Experience
(was: Work-Based Learning/COOP/DO Experience

350001 – changed to: Introduction to Education and Training
   (was: Exploring Education and Training)

350002 – changed to: Best Practices in Education and Training
   (was: Human Growth and Development)

350010 – changed to: Field Experience in Education and Trainng
   (was: Experiencing Teaching)

4. **Course Description changes**

077300 – Health Sciences I

077301 – Health Sciences II

077302 – Health Sciences III

077303 – Personal and Community Medical Issues/Public Health

077304 – Exploring The Clinical Lab

077400 – Nursing Assistant/CAN

077401 – Medical Aide

077444 – Pharmacy Technician

077446 – Phlebotomy Technician

077500 – Introduction to Sports Medicine

077600 – Medical Terminology

077601 – Exercise Science

077701 – Performance Nutrition

077702 – Human Life Cycle Nutrition

077800 – Health Information Technology

077801 – Behavioral Health I

077802 – Behavioral Health II

077812 – Health Information Management and Ethics

077900 – Allied Health and Medicine

089930-089932 – Physical Science, Other

090005 – Family and Consumer Sciences 6

090006 – Family and Consumer Sciences 7

090007 – Family and Consumer Sciences 8

090101 – Introduction to Human Sciences/FACS
   (previously: Introduction to Human Sciences)

090103 – Textile Construction
   (previously: Textiles Construction and Design)

090104 – Life and Career Readiness

090107 – Fundamentals of Food and Nutrition
   (previously: Human Food, Nutrition & Wellness)

090109 – Home Design and Interiors
   (previously: Housing and Interior Design)

	Revised April 2017
COURSE CODES AND CLEARNING ENDORSEMENTS	

090113 – Food Science

090116 – Interpersonal Relationships
      (previously: Relationship)

090117 – Parents and Families
      (previously: Parenting Decisions)

090119 – Child Development

090206 – Fashion Design
      (previously: Fashion Design and Marketing)

090207 – The Business to Textiles

090208 – Leadership and Ethics in Human Services

090209 – Consumer Economics

130420 – Integrated Science- Physical Science
      (previously: Physical Science)

270604 – Foundations of Web Design
      (previously: Web Design)

270613 – Advanced Digital Design

320700 – Other Work-Based Learning Class
      (previously: Work-Based Learning/COOP/DO Class

320701 – Other Work-Based Learning Experience
      (previously: Work-Based Learning/COOP/DO Experience

350001 – Introduction to Education and Training
      (previously: Exploring Education and Training)

350002 – Best Practices in Education and Training
      (previously: Human Growth and Development)

350010 – Field Experience in Education and Training
      (previously: Experiencing Teaching)

370021 – Culinary Skills 1

370022 – Culinary Skills 2

370030 – Prostart 1

370031 – Prostart 2

379930-379934 – Hospitality and Tourism, Other

Endorsement s codes have been ADDED/REMOVED for the following course codes

059930 – English Language Arts, Other

  Added: 0512

077446 - Phlebotomy Technician

  Added: 1303, 1301

  Removed: 0903, 1501

019930-019934 – Agriculture, Food and Natural Resources, Other

  Removed: 1810

359930-359934 – Education and Training, Other

  Removed: 0903

Section Name Changes

New: HUMAN SERVICES/FACS

  old: Human Services/FCS

Course Codes and Clearing Endorsements - Change Summary

Version 7.0.0
June 8, 2016

Numerous changes have been made to course descriptions and clearing endorsements. Please check carefully before assigning a course code.

1. **Course Codes Removed**

   077700 - Clinical Nutrition (please refer to new code 077702 – Human Life Cycle Nutrition)

   090001 – Exploratory Family and Consumer Sciences

   090002 – Introduction to Family and Consumer Sciences

   090003 – FCS and Career Essentials

   139931 – 139934 – Science, Other (139930 - Science, Other is still available)

   230601 – Spanish for Native Speakers (please refer to 2 new codes available:

     060249 – Spanish For Native Speakers I

     060250 – Spanish For Native Speakers II

2. **New Course Codes**

   050052 - IB Language A – (English)

   060108 - Latin III

   060109 - Latin IV

   060227 - IB Language A - French

   060228 - IB Language B – French

   060237 - IB Language A - German

060238 - IB Language B - German

060247 - IB Language A - Spanish

060248 - IB Language B - Spanish

060249 - Spanish for Native Speakers I

060250 - Spanish for Native Speakers II

077201 - PLTW Medical Detectives

077446 - Phlebotomy Technician

077702 - Human Life Cycle Nutrition

077801 - Behavioral Health I

077802 - Behavioral Health II

077803 - PLTW Principles of Biomedical Science I

077804 - PLTW Principles of Biomedical Science II

077805 - PLTW Human Body Systems I

077806 - PLTW Human Body Systems II

077807 - PTLW Medical Interventions I

077808 - PTLW Medical Interventions II

077809 - PTLW Biomedical Innovation I

077810 - PTLW Biomedical Innovation II

077812 - Health Information Management and Ethics

090005 - Family and Consumer Sciences 6

090006 - Family and Consumer Sciences 7

090007 - Family and Consumer Sciences 8

110623 - IB Mathematical Studies

110624 - IB Mathematics

110625 - IB Further Mathematics - SL

110626 - IB Mathematics & Computing - SL

130195 – Advanced Robotics

130211 - IB Biology

130212 - Botany

130213 - Genetics

130214 - Micro Biology

130215 - Zoology

130216 - Conceptual Biology

130217 - Particular Topics In Biology

130218 - Biology - Other

130308 - IB Chemistry

130309 - Conceptual Chemistry

130310 - Particular Topics In Chemistry

130311 - Chemistry - Other

130312 - Astronomy

130313 - Earth and Space Science

130314 - Particular Topics in Earth Science

130315 - Earth Science - Other

130316 - Marine Science

130317 - Forensic Science

130416 - IB Physics

130417 - Conceptual Physics

130418 - Particular Topics in Physics

130419 - Physics - Other

130420 - Integrated Science

130421 – Applied Biology/Chemistry

152000 - Holocaust History

152001 - IB History

152002 - IB Psychology

152003 - IB Theory of Knowledge

270702 - Advanced Placement Computer Science Principles

320701 - Work-based Learning/Coop/DO Experience

3. **Course Codes with Name Changes**

060246 - changed to: Advanced Placement Spanish and Culture
(was: Advanced Placement Spanish)

077300 - changed to: Health Sciences I
(was: Introduction to Health Sciences)

077301 - changed to: Health Sciences II
(was: Advanced Health Sciences)

077302 - changed to: Health Sciences II
(was: Health Sciences Careers)

077700 - changed to: Human Life Cycle
(was: Clinical Nutrition)

090206 - changed to: Fashion Design and Marketing
(was: Fashion Design)

130201 - changed to: Biology
(was: Biology I)

130202 - changed to: Biology – Advanced Studies
(was: Biology II)

130301 - changed to: Chemistry
(was: Chemistry I)

130303 - changed to: Physics
(was: Physics I)

320700 - changed to: Work-Based Learning/COOP/DO Class
(was: Work-Based Learning/COOP/DO)

4. **Course Description changes**

060246 - Advanced Placement Spanish & Culture

077402 - Emergency Medical Technician

100160 - PLTW Principles of Engineering

100161 - PLTW Introduction to Engineering Design

100162 - PLTW Civil Engineering Design

100163 - PLTW Engineering Design and Development

100164 - PLTW Aerospace Engineering

100165 - PLTW Biotechnical Engineering

100403 - PLTW Digital Engineering

101901 – PLTW Computer Integrated Manufacturing

130202 - Biology – Advanced Studies (was previously Biology II)

130302 - Chemistry – Advanced Studies

130307 - Physics – Advanced Studies

150800 - World History

150820 - American History

151110 - American Government

320700 – Work-Based Learning/Coop/DO Class

5. **Endorsements code name changes**

0700 – New: Health Sciences   (Previous: Health Occupations)

6. **Endorsement s codes have been added for the following course codes**

   Health Sciences area and **Skilled and Technical Sciences** area have had multiple changes for courses – Please review each course carefully for changes.

   270608 – Introduction to Media – 0304, 2701

   270609 – Medical Production I – 0304, 2701

   270610 – Media Production II – 0304, 2701

Version 6.0.0

July 22, 2015

Numerous changes have been made to course descriptions and clearing endorsements.
Please check carefully before assigning a course code.

1 **Course Codes Removed**

   270701 – Advanced Placement Computer Science B

   320500 – Exploration of Business and Entrepreneurship

   　　　　Removed from: Career Education Foundational & Specialty

   　　　　Still available as 032350 under Business, Marketing and Management

2. **New Course Codes**

011013 – Agricultural Biology
032604 – College Entrepreneurship Financial Topics
032605 – College Entrepreneurship Business Plan
038502 – College Macroeconomics
038503 – College Microeconomics
077444 – Pharmacy Fundamental
077601 – Exercise Science
077701 – Sport Nutrition
077900 – Allied Health and Medicine
110622 – College Technical Mathematics
320300 – Engage! Career Exploration and Readiness

3. **Course Codes with Name Changes**

077300 – changed to: <u>Introduction to Health Sciences</u>
        (was: Introduction to Health Science)
077301 – changed to: <u>Advanced Health Sciences</u>
        (was: Advanced Health Science)
077302 – changed to: <u>Health Sciences Careers</u>
        (was: Health Science Careers)
077402 – changed to: <u>Emergency Medical Tech</u>
        (was: Emergency Medical Tech – Basic)

4. **Endorsements have been changed for the following course codes**

320100 – Middle School Career Development
        Remove: 8888
        Add: 0100, 0301, 0304, 0903, 1000, 1810, 1812, 1813, 1816, 2501
320101 – High School Career Development
        Remove: 8888
        Add: 0100, 0301, 0304, 0903, 1000, 1810, 1812, 1813, 1816, 2501
032300 – Entrepreneurship
        Add: 0304
032600 – College Introduction to Entrepreneurship
        Add: 0304
090116 – Relationships
        Remove: 1813
190530 – Special Education Language Arts – (PAC 1162)
        Add: 0501, 0502, 0511, 0521
191130 – Special Education Mathematics – (PAC 1162)
        Add: 1100

191330 – Special Education Science – (PAC 1162)

      Add: 1301

191530 – Special Education Social Studies – (PAC 1162)

      Add: 1501 and 1505

Version 5.0.0
April 9, 2014

Numerous changes have been made to course descriptions and clearing endorsements. Please check carefully before assigning a course code.

1. **Course codes removed:**

   012000 – Horticulture

   100131 – Introduction to Architecture Technology

   100150 – Restoration and Repair of Existing Structure

   100404 – Electricity in the Construction Industry

   100500 – Technology Education

   100501 – Gateway to Technology

   100503 – Principles of Technology

   100800 – Principles of Maintenance and Operations

   101910 – Advanced Mechatronics

   103170 – PLTW Computer Integrated Manufacturing

2. **New Course Codes:**

   016004 – Welding

   018049 – Environmental Science

   100402 – Advanced Electronics

   270701 – Advanced Placement Computer Science B

   135021 – Advanced Placement Physics 1: Algebra-Based

   135022 - Advanced Placement Physics 2: Algebra-Based

   230801 – Advanced Placement Research

   230802 – Advanced Placement Seminar

3. **Course Codes with Name Changes:**

   011007 – changed to – **Plant Science/Horticulture**

      (was Plant Science)

   017000 – changed to – **Leadership & Ethics in Agriculture**

      (was Leadership)

   018080 – changed to – **FNS: Food Production, Nutrition and Health**

      (was PFT, Food Production, Nutrition and Health)

018081 – changed to – **FNS: Food Science**

   (was PFT, Food Science)

018082 – changed to – **FNS: Nutrition Science**

   (was PFT, Nutrition Science)

018083 – changed to – **FNS: Food and Nutrition Science, Research and Development**

   (was PFT, Food and Nutrition Science, Research and Development)

090103 – changed to – **Textiles, Construction and Design**

   (was Textiles Foundations)

090208 – changed to – **Leadership and Ethics in Human Services**

   (was Community and Career Leadership)

100110 – changed to – **Principals of Construction Technology**

   (was Principles of Construction)

100120 – changed to – **Advanced Construction Technology**

   (was Advanced Construction)

100130 – changed to – **Introduction to Architecture and Construction**

   (was Language of Architecture and Construction (CADD))

100141 – changed to – **Applications in Design and Pre-Construction**

   (was Computer Aided Drafting)

100401 – changed to – **Introduction to Electronics**

   (was Electronics-Comprehensive)

100405 – changed to – **Electricity**

   (was Electricity-Comprehensive)

101600 – changed to – **Introduction to Energy, Power and Transportation Systems**

   (was Intro-Transportation, Distribution and Logistics)

103191 – changed to – **Introduction to Engineering**

   (was Introduction of Engineering)

103194 – changed to – **Robotics**

   (was Robotics 1)

270505- changed to – **CISCO I: Introduction to Networks**

   (was CISCO I: IT Essentials – PC Hardware and Software)

270506 – changed to – **CISCO II: Routing and Switching Essentials**

    (was CISCO II: CCNA Discovery)

270507 – changed to – **CISCO III: Scaling Networks**

   (was CISCO III: CCNA Exploration)

4. **Endorsement Name Changes:**

   0510 – JOURNALISM AND MEDIA EDUCATION (was JOURN AND MASS COMM)

   0502 – ENGLISH LANGUAGE ARTS (was LANGUAGE ARTS)

   1301 – SCIENCE (was NATURAL SCIENCE)

   1804 – EARLY CHILDHOOD INCLUSIVE (was EARLY CHILD UNIFIED)

   1913 – SPECIAL EDUCATION (was MILD/MODERATE DISABILITIES)

1916 – SPED EARLY CHILDHOOD (was EARLY CHILDHOOD SPEC ED)

8888 – OTHER ENDORSEMENTS (Where "Other Endorsements" appear, replace with "OTHER ENDORSEMENTS" (formatting/consistency)

5. **Endorsement Codes Removed:**
   0303 – GENERAL OFFICE EDUC

   0504 – SPEECH AND THEATRE

   1302 – GENERAL SCIENCE

   1304 – PHYSICAL SCIENCE

   1310 – SCIENCE

   1900 – PRE-SCHOOL HDCP

   1915 – PRE-SCHOOL DISABILITIES

   2301 – LANGUAGE-SOC SCI

6. **NEW Endorsement Codes:**
   0512 – Secondary English

   1830 – Early Childhood Education (1802 is also still active until phased out)

   0520 – Journalism and Media Education (0510 is also still active until phased out)

   0521 – Read and Writing (0511 is also still active until phased out)

   0522 – Speech (0506 is also still active until phased out)

   0523 – Theatre (1204 is also still active until phased out)

COURSE CODES AND CLEARNING ENDORSEMENTS	Revised April 2017

Version 4.0.0
March 19, 2013

1. **Course codes removed:**

    210101 – Drivers Ed – Behind the Wheel

    210102 – Drivers Ed – Classroom Instruction

2. **Subject area removed:**

    Title I – All courses under this subject area have been removed.

3. **New Course Codes:**

    Agriculture, Food and Natural Resources (01):

    018060 – CASE Introduction to Agriculture, Food & Natural Resources

    018061 – CASE Plant Science

    018602 – CASE Animal Science

    018063 – CASE Animal & Plan Biotechnology

    018080 – PFT Food Production, Nutrition and Health

    018081 – PFT Food Science

    018082 – PFT Nutrition Science

    018083 – PFT Food and Nutrition Science, Research and Development

    Visual and Performing Arts (ART) (02):

    020503 – AP Art History

    Human Services/FCS (09):

    090101 – Introduction to Human Science/FCS

    090207 – The Business of Textiles

    Driver Education/Safety Education (21)

    210105 – Driver Education

    Communication & Information Systems (27)

    270505 – CISCO I: IT Essentials-PC Hardware and Software

    270506 - CISCO II: CCNA Discovery

    270507 – CISCO III: CCNA Exploration

4. **Endorsements Removed:**

    2510 – School Nurse from all courses under Subject Area Health Science.

    0503 - Journalism

Version 3.1.1
April 20, 2012

Endorsement number has been corrected on Course Code 060236 AP German & Culture.

Correct endorsement number is 0602 (not 1915**)**

Version 3.1
February 27, 2012

Endorsements have been added to the following course codes:

038500 Advanced Placement Macroeconomics	1501	Social Science
038501 Advanced Placement Microeconomics	1501	Social Science
270700 Advanced Placement Computer Science A	0304	Business, Marketing, Info Tech
150750 Advanced Placement Geography	1501	Social Science
150805 Advanced Placement World History	1501	Social Science
150806 Advanced Placement European History	1501	Social Science
150830 Advanced Placement US History	1501	Social Science
151210 Advanced Placement Psychology	1501	Social Science

Version 3.0
August 17, 2011

Numerous changes have been made to course descriptions and clearing endorsements. Please check carefully before assigning a course code.

1. General information
   a. Certificate/Endorsement Levels
2. General Information
   a. For Provisional Certificates
   b. Middle Grades (change)
   c. Elementary (added new)
3. New Subject Areas and Course Codes in those areas
   Education and Training (35)
     350001 - Introduction to Education
     350010 - Experiencing Teaching
     350015 - Early Childhood Education I
     350020 - Early Childhood Education II
     359930 – 359934 - Education and Training, Other
   Hospitality and Tourism (37)
     370010 - Hospitality and Tourism
     370015 - Food Service Management I
     370020 - Food Service Management II
     379930 – 379934 – Hospitality and Tourism, Other
   Law, Public Safety and Security (39)
     390010 - Foundation of Law, Public Safety, Corrections and Security
     390015 - Introduction to Criminal Justice

       390020 - Introduction to Fire & Emergency Services

       390025 - Courts and Judicial Process

       399930 – 399934 – Law, Public Safety and Security, Other

4. New Course Codes

Agriculture, Food and Natural Resources (01)

       018050 – Advanced Placement Environmental Science

Visual & Performing Arts (Art) - (02)

       020500 – Advanced Placement Studio Art: 2D Design

       020501 – Advanced Placement Studio Art: 3D Design

       020502 – Advanced Placement Studio Art: Drawing

Business, Marketing and Management (03)

       038500 – Advanced Placement Macroeconomics

       038501 – Advanced Placement Microeconomics

English Language Arts (05)

       050050 – Advanced Placement English Language & Composition

       050051 – Advanced Placement English Literature & Composition

       050315 – Advanced Placement Spanish Literature

World Language (06)

       060107 – Advanced Placement Latin: Vergil

       060226 – Advanced Placement French & Culture

       060236 – Advanced Placement German & Culture

       060246 – Advanced Placement Spanish Language

       060253 – Advanced Placement Japanese & Culture

       060276 – Advanced Placement Chinese & Culture

Health Science (07)

       077302 – Advanced Studies in Health Science

       077303 – Personal and Community Medical Issues

       077304 – Exploring the Clinical Lab

       077401 – Medication Aide

       077402 – Emergency Medical Tech – Basic

       077800 - Health Information Technology

Skilled and Technical Science (10)

       100407 – Energy Generation and Distribution

       100706 – Exploring Skilled and Technical Science – 6th Grade

       100707 - Exploring Skilled and Technical Science – 7th Grade

       100708 - -Exploring Skilled and Technical Science – 8th Grade

       101601 - Emerging Technologies in Transportation and Logistics

       101650 - Business Logistics

       101951 - Adv Fabrication & Mfg – Plastics

Mathematics (11)

    110620 - Advanced Placement Calculus AB

    110621 - Advanced Placement Calculus BC

    111720 - Advanced Placement Statistics

Visual & Performing Arts (Music) (12)

    120700 - Advanced Placement Music Theory

Natural Sciences (13)

    135000 - Advanced Placement Biology

    135010 - Advanced Placement Chemistry

    135020 - Advanced Placement Physics

Social Sciences/Social Studies (15)

    150750 - Advanced Placement Geography

    150805 - Advanced Placement World History

    150806 - Advanced Placement European History

    150830 - Advanced Placement US History

    151113 - Advanced Placement Government

    151210 - Advanced Placement Psychology

Self-Contained Classroom (18)

    180005 - Home-Based Program (non-Sped)

Special Education (19)

    194000 - Special Education In-Home Setting

Communication & Information Systems (27)

    270700 - Advanced Placement Computer Science A

Career Education, Foundational & Specialty (32)

    329930 – 329934 - Career Education, Foundational & Specialty, OTHER

5. Course Codes Removed:

    011001 – Comprehensive Agriculture/Natural Resources Animal Science

    011002 – Comprehensive Plant and Soil Science

    011003 – Comprehensive Agribusiness/Farm Management

    013003 – Science of Earth Systems

    013004 – Environmental Science

    013005 – Ecology of Agriculture

    014002 – Biotechnology in Food Products and Processing Systems

    015000 – Agricultural Business Management

    016004 – Agricultural Mechanics and Technology

    035000 – Food Service Management I

    035001 – Food Service management II

    038300 – Hospitality and Tourism

    090119 – Early Childhood Education I

    090120 – Early Childhood Education II

    090300 – Careers in Education

090310 – Experiencing Teaching

090400 – Law, Public Safety and Security

090410 – Introduction to Criminal Justice

090500 – Introduction to Fire and Emergency Services

100700 – Exploring Industrial, Manufacturing & Engineering Systems

Version 2.0
August 11, 2010

1. Added new Course Codes:
    a. 230101 – JROTC
    b. 320101 – HS Learning, Earning and Living Skills
2. Removed Course Code:
    a. 230100 – ROTC
3. Subject Area Change:
    a. Foreign Language changed to World Language
4. Endorsement Changes in Subject Areas:
    a. Business, Marketing and Management
    b. Career Education Foundational and Specialty
    c. Industrial, Manufacturing and Engineering Systems