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NCE Course Codes & Clearing Endorsements

(Formerly called Appendix D)

2013-2014

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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	Pre School
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
10	B-12
11	B-K
12	B-3
13	PK-6
14	PK-8
15	PK-12
16	10-12
17	6-12

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 four through six are designated as middle grades, either an elementary or a middle grades endorsement is appropriate.
- 2) A middle grades endorsement clears any subject area and course code for grades 4-9.
- 3) For grades seven and eight, a middle grades 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 the “Middle Grades” 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 grades 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 grades 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 grades endorsement.

Secondary Grades:

- 9) In secondary grades, teachers holding a subject endorsement are considered appropriately endorsed for any other subject within the appropriate broad field if they annually acquire, prior to the opening of school, six credit hours toward the subject endorsement or the broad field endorsement.
- 10) 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.
- 11) 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 grades endorsement will cover the assignment.

Elementary Grades:

- 12) 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

Course Code

AG/EN-INTR

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

Course Code

ANI BIO

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

Course Code

LG ANIMGMT

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

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 safe 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

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.

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

Course Code

AGRI BUSN

011009

This course covers skills necessary for entry into employment or furthering education in an agriculture 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

Course Code

ECON AGMGT

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

Course Code

AG SA/ENTP

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

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

VETERINARY SCIENCE

Short Name

Course Code

VET SCI

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

Course Code

PLANT BIO

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

AGRICULTURE, FOOD AND NATURAL RESOURCES

HORTICULTURE

Short Name

Course Code

HORT

012000

This course focuses on the broad field of horticulture, with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, and customer relations. 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
HORT EDUC

0100
0905

NURSERY AND LANDSCAPE

Short Name

Course Code

NURS LAND

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
HORT EDUC

0100
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
HORT EDUC

0100
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
HORT EDUC

0100
0905

AGRICULTURE, FOOD AND NATURAL RESOURCES

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.

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

NATURAL RESOURCES

Short Name

Course Code

NAT RES

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

Course Code

WDLIFE MGT

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

AGRICULTURE, FOOD AND NATURAL RESOURCES

ADVANCED NATURAL RESOURCES

Short Name

Course Code

ADV NATRES

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.

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

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

FAMILY/CONSUMER SCIENCE

0903

AGRICULTURE, FOOD AND NATURAL RESOURCES
--

ADVANCED FOOD SCIENCE

Short Name

Course Code

A DFOOD 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
FAMILY/CONSUMER SCIENCE

0100
0903

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

Course Code

STRUCT SYS

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000

POWER AND TECHNOLOGY

Short Name

Course Code

POWER TECH

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000

COURSE CODES AND CLEARING ENDORSEMENTS	Page 11	Revised July 2013
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AGRICULTURE, FOOD AND NATURAL RESOURCES

METALS AND FABRICATION

Short Name

Course Code

METAL FAB

016005

This course provides an in-depth study of metals and fabrication with metal products. It also provides the opportunity to explore the careers in 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
INDUSTRIAL TECH EDUCATION

0100
1000

LEADERSHIP

Short Name

Course Code

LEADER

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. 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

AGRICULTURE, FOOD AND NATURAL RESOURCES
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CAREERS AND LITERACY OF AGRICULTURE

Short Name

Course Code

AG CAR LIT

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
MIDDLE GR/AG EDUCATION	1810

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BIOLOGY	1303
NATURAL SCIENCE	1301

AGRICULTURE, FOOD AND NATURAL RESOURCES

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

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 managers 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

AGRICULTURE, FOOD AND NATURAL RESOURCES
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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

PFT FOOD PRODUCTION, NUTRITION, AND HEALTH

Short Name

Course Code

FOOD PROD

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 PFT training following the PFT 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

FAMILY/CONSUMER SCIENCE

0903

AGRICULTURE, FOOD AND NATURAL RESOURCES
--

PFT FOOD SCIENCE

Short Name

Course Code

FOOD SCI

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 PFT training following the PFT 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMILY/CONSUMER SCIENCE	0903

PFT NUTRITION SCIENCE

Short Name

Course Code

NUTRI SCI

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 PFT training following the PFT 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMILY/CONSUMER SCIENCE	0903

AGRICULTURE, FOOD AND NATURAL RESOURCES
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PFT FOOD AND NUTRITION SCIENCE RESEARCH AND DEVELOPMENT	<u>Short Name</u> FOOD NUTR	<u>Course Code</u> 018083
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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 PFT training following the PFT 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMILY/CONSMR SCIENCE	0903

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u> AGRI OTHER	<u>Course Code</u> 019930
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

COURSE CODES AND CLEARING ENDORSEMENTS	Page 17	Revised July 2013
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AGRICULTURE, FOOD AND NATURAL RESOURCES
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AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u>	<u>Course Code</u>
	AGRI OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u>	<u>Course Code</u>
	AGRI OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

COURSE CODES AND CLEARING ENDORSEMENTS	Page 18	Revised July 2013
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AGRICULTURE, FOOD AND NATURAL RESOURCES
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AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u>	<u>Course Code</u>
	AGRI OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u>	<u>Course Code</u>
	AGRI OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

BUSINESS, MARKETING AND MANAGEMENT**ACCOUNTING**Short NameCourse Code**ACCT****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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

ACCOUNTING, ADVANCEDShort NameCourse Code**ACCT AD****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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE PRINCIPLES OF ACCOUNTING**Short NameCourse Code**PRIN ACCT****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 articulated or 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

COLLEGE PRINCIPLES OF ACCOUNTING IIShort NameCourse 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 articulated or 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS COMMUNICATION**Short NameCourse 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 articulated or 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

FINANCIAL PLANNINGShort NameCourse 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT

INSURANCE

Short Name

Course Code

INSUR

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
BUSINESS, MARKETING, INFO TECH

0301
0304

FINANCIAL SERVICES

Short Name

Course Code

FIN SERV

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
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE FUNDAMENTALS OF FINANCIAL PLANNING**Short NameCourse Code**COL FIN PL****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 articulated or 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS LAWShort NameCourse Code**BUSNS LAW****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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE BUSINESS LAW

Short Name

Course Code

COL BUSLAW

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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS ECONOMICS

Short Name

Course Code

BUSNS ECON

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:

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

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS STRATEGIES

Short Name

Course Code

BUSNSTRAT

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
BUSINESS, MARKETING, INFO TECH

0301
0304

INTRODUCTION TO BUSINESS, MARKETING & MGMT

Short Name

Course Code

INTROBUSNS

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
BUSINESS, MARKETING, INFO TECH

0301
0304

BUSINESS, MARKETING AND MANAGEMENT

EXPLORATORY BUSINESS AND ENTREPRENEURSHIP

Short Name

Course Code

EXPBUS ENT

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

ENTREPRENEURSHIP

Short Name

Course Code

ENTREP

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 may include the development of a business plan, operation of 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE INTRODUCTION TO BUSINESS**Short NameCourse 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 articulated or 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH

0301
0304

COLLEGE INTRODUCTION TO ENTREPRENEURSHIPShort NameCourse Code**COL ENTREP****032600**

The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy.

Recommended Level: Grades 10-12

Career Cluster: Business Management and Administration

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

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE ENTREPRENEURSHIP FEASIBILITY STUDY**Short NameCourse 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 articulated or dual credit at the postsecondary institutions.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

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

Endorsement NameEndorsement Number

BASIC BUSINESS

0301

BUSINESS, MARKETING, INFO TECH

0304

COLLEGE ENTREPRENEURSHIP LEGAL ISSUESShort NameCourse Code**COLENT LGL****032602**

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

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

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

Endorsement NameEndorsement Number

BASIC BUSINESS

0301

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE MARKETING FOR THE ENTREPRENEUR

Short Name

Course Code

COL MKENT

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. This course may be available for articulated or dual credit at the postsecondary institutions.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

PERSONAL FINANCE

Short Name

Course Code

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

PRINCIPLES OF FINANCE

Short Name

Course Code

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE INTERNATIONAL FINANCE	<u>Short Name</u> COL INTFIN	<u>Course Code</u> 033003
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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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE INTRODUCTION TO INVESTMENT	<u>Short Name</u> COL INVEST	<u>Course Code</u> 033004
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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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COMPUTER APPLICATIONS

Short Name

Course Code

COMP APP

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.

Recommended Level: Middle/Junior High

Career Cluster: Business Management and Administration

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

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

KEYBOARDING APPLICATIONS

Short Name

Course Code

KEYBD APP

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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

Course Code

GLOBL ECON

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

Course Code

MARKET

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

BUSINESS, MARKETING AND MANAGEMENT

MARKETING MANAGEMENT

Short Name

Course Code

MARK MGT

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

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 articulated or 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

BUSINESS, MARKETING AND MANAGEMENT

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 articulated or dual credit at a post secondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

ADVANCED PLACEMENT MICROECONOMICS

Short Name

Course Code

AP MICECON

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 articulated or dual credit at a post secondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS, MARKETING AND MANAGEMENT- OTHER**Short NameCourse 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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT-OTHERShort NameCourse 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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT- OTHERShort NameCourse Code**BUSNS OTH****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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS, MARKETING AND MANAGEMENT- OTHER**Short NameCourse Code**BUSNS OTH****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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT- OTHERShort NameCourse Code**BUSNS OTH****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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY**MIDDLE SCHOOL CAREER DEVELOPMENT**Short NameCourse Code**MS CAREER****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 NameEndorsement Number

OTHER ENDORSEMENT

8888

HIGH SCHOOL CAREER DEVELOPMENTShort NameCourse Code**HS CAREER****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 NameEndorsement Number

Other Endorsement

8888

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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C4C-CURRICULUM FOR CAREERS

Short Name

Course Code

C4C-CUR/CA

320400

This course provides an introduction to the Essential Knowledge and Skills of the Nebraska Career Education Model. It also introduces students to the Nebraska Career Fields and sixteen career Cluster. Students will develop a 6+ year Personal Learning Plan at the completion of this 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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

EXPLORATION OF ENTREPRENEURSHIP

Short Name

Course Code

EXP ENTREP

320500

A course designed to introduce students to entrepreneurship as a career option. Emphasis is on entrepreneurial discovery, concept development, finding/allocating resources, basics of start-up, and future planning.

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

ENTREPRENEURSHIP

Short Name

Course Code

ENTREP

320600

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 may include the development of a business plan, operation of school-based business, or actual creation of a student-run business.

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903

WORK-BASED LEARNING/COOP/DO

Short Name

Course Code

COOP ED/DO

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 an NDE approved Cooperative Education/Diversified Occupations Program that may allow for an exemption for 16-17 year olds in some hazardous occupations.

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329930
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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 7-12

Career Cluster Level: Foundation, Career Development and Career Education

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329931
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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 7-12

Career Cluster Level: Foundation, Career Development and Career Education

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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

COURSE CODES AND CLEARING ENDORSEMENTS	Page 43	Revised July 2013
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CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329932
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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 7-12

Career Cluster Level: Foundation, Career Development and Career Education

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329933
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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 7-12

Career Cluster Level: Foundation, Career Development and Career Education

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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
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CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329934
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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 7-12

Career Cluster Level: Foundation, Career Development and Career Education

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER 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

PROGRAMMING I

Short Name

Course Code

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
MATHEMATICS

2701
1100

PROGRAMMING II

Short Name

Course Code

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
MATHEMATICS

2701
1100

COMMUNICATION & INFORMATION SYSTEMS**PROGRAMMING III**Short NameCourse Code**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 NameEndorsement Number

INFORMATION TECHNOLOGY
MATHEMATICS

2701
1100

INFORMATION TECHNOLOGY APPLICATIONS IShort NameCourse 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 NameEndorsement Number

BASIC BUSINESS
BUSINESS, MARKETING, INFO TECH
INFORMATION TECHNOLOGY

0301
0304
2701

COMMUNICATION & INFORMATION SYSTEMS
--

INFORMATION TECHNOLOGY APPLICATIONS II	<u>Short Name</u>	<u>Course Code</u>
	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 articulated or 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INFORMATION TECHNOLOGY FUNDAMENTALS	<u>Short Name</u>	<u>Course Code</u>
	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS**CISCO I: IT ESSENTIALS - PC HARDWARE AND SOFTWARE**Short NameCourse Code**PCHARDW****270505**

This course covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. The curriculum helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

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

Endorsement NameEndorsement Number

INFORMATION TECHNOLOGY

2701

CISCO II: CCNA DISCOVERYShort NameCourse Code**CCNA DISC****270506**

This course provides general networking theory, practical experience and opportunities for career exploration and soft-skills development. The curriculum teaches networking based on application, covering networking concepts within the context of network environments - from small office and home office (SOHO) networking to more complex enterprise and theoretical networking models later in the curriculum.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

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

Endorsement NameEndorsement Number

INFORMATION TECHNOLOGY

2701

CISCO III: CCNA EXPLORATIONShort NameCourse Code**CCNA EXPL****270507**

This course provides an integrated and comprehensive coverage of networking topics, from fundamentals to advanced applications and services, while providing opportunities for hands-on practical experience and soft-skills development. The curriculum teaches networking based on technology, covering networking concepts using a top-down, theoretical, and integrated approach-from network applications to the network protocols and services provided to those applications by the lower layers of the network. The course is designed for students with advanced problem solving and analytical skills. The curriculum offers a comprehensive and theoretical learning experience for analytical students, and uses language that aligns well with engineering concepts.

Recommended Level: Grades 11-12

Career Cluster: Informational Technology

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

Endorsement NameEndorsement Number

INFORMATION TECHNOLOGY

2701

COMMUNICATION & INFORMATION SYSTEMS

NETWORK SYSTEMS

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
INFORMATION TECHNOLOGY

0304
2701

COMMUNICATION & INFORMATION SYSTEMS
--

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

Recommended Level: Grades 10-12

Career Cluster: Information Technology

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
--

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
INFORMATION TECHNOLOGY

0304
2701

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

JOURN AND MASS COMM
LANGUAGE ARTS
SPEECH AND THEATRE

0510
0502
0504

COMMUNICATION & INFORMATION SYSTEMS
--

MEDIA PRODUCTION I

Short Name

Course Code

MEDIA 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 Media Production I 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
JOURN AND MASS COMM	0510
LANGUAGE ARTS	0502
SPEECH AND THEATRE	0504

MEDIA PRODUCTION II

Short Name

Course Code

MED PRODII

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
JOURN AND MASS COMM	0510
LANGUAGE ARTS	0502
SPEECH AND THEATRE	0504

COURSE CODES AND CLEARING ENDORSEMENTS	Page 53	Revised July 2013
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COMMUNICATION & INFORMATION SYSTEMS

INTRODUCTION TO DIGITAL DESIGN

Short Name

Course Code

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INTERMEDIATE DIGITAL DESIGN

Short Name

Course Code

INTER DIGT

270612

Intermediate Digital Design is the second course within the Digital Design Pathway where 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 10-12

Career Cluster: Arts, A/V Technology and Communications

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COURSE CODES AND CLEARING ENDORSEMENTS	Page 54	Revised July 2013
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COMMUNICATION & INFORMATION SYSTEMS
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ADVANCED DIGITAL DESIGN

Short Name

Course Code

ADV DIGTL

270613

Advanced Digital Design is the final course in the Digital Design Pathway. Students focus on integrating computer skills and promoting individual design concepts and approaches in digital design. Studio problems are used to continue study in a variety of visual disciplines. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the real world of digital design: composition, color theory, illustrations, displays, promotional materials, packaging, logos, motion graphics, and the manipulation of photographic images.

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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.com.

Career Cluster: Information Technology

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS
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COMMUNICATION AND INFORMATION SYSTEMS, OTHER	<u>Short Name</u>	<u>Course Code</u>
	COMP OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHER	<u>Short Name</u>	<u>Course Code</u>
	COMP OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
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COMMUNICATION AND INFORMATION SYSTEMS, OTHER	<u>Short Name</u> COMP OTHER	<u>Course Code</u> 279932
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHER	<u>Short Name</u> COMP OTHER	<u>Course Code</u> 279933
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS**COMMUNICATION AND INFORMATION SYSTEMS, OTHER**Short NameCourse Code**COMP OTHER****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 NameEndorsement Number

BUSINESS, MARKETING, INFO TECH
INFORMATION TECHNOLOGY

0304
2701

EDUCATION AND TRAINING

EXPLORING EDUCATION AND TRAINING

Short Name

Course Code

EXP ED TR

350001

This course is designed to help students explore professional or learning support positions in education, education-related careers and training. Student will research the profession of teaching and personality and leadership traits that contribute to a successful teacher. The course will provide an overview of ethics and professionalism, societal influences, classroom management and practices, and the understanding of the educational governance structure.

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

HUMAN GROWTH AND DEVELOPMENT

Short Name

Course Code

HUMAN DEV

350002

Study of human development (physical, mental, emotional and social) from infant through adolescence or the entire life span. Includes how to develop positive interactions with and guiding the development of each age.

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

FAMILY/CONSUMER SCIENCE

0903

EXPERIENCING TEACHING

Short Name

Course Code

EXP TEACH

350010

Provides students with volunteer experience in fields related to education. Goals are cooperatively set by student and supervising teacher so that students increase their understanding about the roles and responsibilities of a teacher. May include experiencing teaching in a controlled setting by designing learning experiences and giving presentations. Classroom instruction could include questioning, developing objectives and assessments, safety practices, IEP development and technology applications.

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

EARLY CHILDHOOD EDUCATION I

Short Name

Course Code

ECED I

350015

This course focuses on the ages of birth to eight years and in areas such as: Creating a learning environment, interacting with children, creating learning activities, health and safety, and nutrition. It may also include instruction on parenting practices. It is recommended that students attain CPR certification by the end of this course.

Recommended Level: Grades 10-12

Career Cluster Level: Education and Training

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

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE

0903

EARLY CHILDHOOD EDUCATION II

Short Name

Course Code

ECED II

350020

An examination of various types of early childhood programs and the licensure requirements related to each, program planning and evaluation, and working with special needs children. Hands-on experience with young children is strongly recommended. It is recommended that students complete the educational requirement for Child Development Association certification by the end of this Program of Study.

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

FAMILY/CONSMR SCIENCE

0903

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

FAMILY/CONSMR SCIENCE
OTHER ENDORSEMENT

0903
8888

EDUCATION AND TRAINING

EDUCATION AND TRAINING, OTHER	<u>Short Name</u> EDTR, OTH	<u>Course Code</u> 359931
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHER	<u>Short Name</u> EDTR, OTH	<u>Course Code</u> 359932
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING

EDUCATION AND TRAINING, OTHER	<u>Short Name</u> EDTR, OTH	<u>Course Code</u> 359933
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHER	<u>Short Name</u> EDTR, OTH	<u>Course Code</u> 359934
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

HEALTH SCIENCE

EXPLORATION OF HEALTH SCIENCES

Short Name
EXPLORE HS

Course Code
077200

A course to introduce 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 Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700

INTRODUCTION TO HEALTH SCIENCE

Short Name
INT HLTHSC

Course Code
077300

Introduction to Health Science is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, the history of health care and the economics of health care.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE

ADVANCED HEALTH SCIENCE

Short Name

Course Code

ADV HLTH

077301

This course is designed to experience health careers at a personal level. Instruction includes anatomy and physiology, medical terminology, medical ethics and law, diseases and disorders, positive and negative health and wellness behaviors, and first aid. Skills learned will be applicable to students continuing in the medical science field.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE CAREERS

Short Name

Course Code

HLTHCAREER

077302

Advanced Studies is the appreciation and exploration of 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. This could be designated as an individualized study program. It is recommended for senior year; with appropriate prerequisite course work and faculty and/or industry approval..

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE**PERSONAL AND COMMUNITY MEDICAL ISSUES**Short NameCourse Code**MEDISSUE****077303**

This course is designed to develop an understanding of the principles necessary for promoting lifelong wellness and preparation for careers in the Health Sciences Support Service Pathway. Students will develop a concept of health and wellness from the perspective of health consumer as well as a potential health professional. Focus will be on a holistic approach to recognize and evaluate oneself in order to improve one's own quality of life. The course will include a study of critical issues which affect the individual and may include stress, nutrition, weight control, physical fitness, infections and non-infectious diseases, alcohol and drug abuse, environmental health, and human sexuality.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

EXPLORING THE CLINICAL LABShort NameCourse Code**CLINLAB****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..

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE

NURSING ASSISTANT

Short Name

Course Code

NURASST

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.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

MEDICATION AIDE

Short Name

Course Code

MEDAIDE

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.

Recommended Level: Grades 11-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE

EMERGENCY MEDICAL TECH - BASIC

Short Name

Course Code

EMT-B

077402

This course is designed based upon the Department of Transportation's National Highway Traffic Safety Administration Emergency Medical Technician-Basic National Standard Curriculum. This course is designed to instruct the student to the level of Emergency Medical Technician - Basic who serves as a vital link in the chain of the health care team. It is recognized that the majority of pre hospital emergency medical care will be provided by the EMT-B. This includes all skills necessary for the individual to provide emergency medical care at a basic life level with an ambulance service or other specialized service. This course is designed to prepare the student to take and pass the National Registry certification examination. The course must be taught by a qualified EMT instructor. (NHTSA-EMTBNSC).

Recommended Level: Grades 11-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

INTRODUCTION TO SPORTS MEDICINE

Short Name

Course Code

SPORTS MED

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.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE

MEDICAL TERMINOLOGY

Short Name

Course Code

MED TERM

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.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

CLINICAL NUTRITION

Short Name

Course Code

CLIN NUTRI

077700

This course includes instruction on the principles of nutrition and its relationship to individual health throughout the life cycle including how the nutrients have an effect on personal health. This course may encompass principles and concepts of sports nutrition and/or clinical nutrition.

Recommended Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700

HEALTH SCIENCE

HEALTH INFORMATION TECHNOLOGY

Short Name

Course Code

HIT

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.

Recommended Level: Grades 11-12

Career Cluster: Health Science

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

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE
HEALTH OCCUPATIONS

0903
0700

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 Science

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

Endorsement Name

Endorsement Number

BIOLOGY
FAMILY/CONSMR SCIENCE
HEALTH OCCUPATIONS
NATURAL SCIENCE

1303
0903
0700
1301

HEALTH SCIENCE

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 Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCES-OTHER

Short Name

Course Code

HS OTHER

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 Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HEALTH SCIENCE

HEALTH SCIENCES-OTHER

Short Name

Course Code

HS OTHER

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 Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

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 Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM	<u>Short Name</u>	<u>Course Code</u>
	HOSP TOUR	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903

CULINARY SKILLS 1	<u>Short Name</u>	<u>Course Code</u>
	CULINARY1	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.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

CULINARY SKILLS 2	<u>Short Name</u>	<u>Course Code</u>
	CULINARY2	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.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

PROSTART 1

Short Name

Course Code

PROSTART1

370030

This foundational course is an industry-driven curriculum 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.

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

FAMILY/CONSMR SCIENCE

0903

PROSTART 2

Short Name

Course Code

PROSTART2

370031

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

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

FAMILY/CONSMR SCIENCE

0903

HOSPITALITY AND TOURISM, OTHER

Short Name

Course Code

HOSPOTH

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 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: Hospitality and Tourism

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

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH
FAMILY/CONSMR SCIENCE

0304
0903

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HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER	<u>Short Name</u> HOSPTOTH	<u>Course Code</u> 379931
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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.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER	<u>Short Name</u> HOSPTOTH	<u>Course Code</u> 379932
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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.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER	<u>Short Name</u> HOSPTOTH	<u>Course Code</u> 379933
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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.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER	<u>Short Name</u> HOSPTOTH	<u>Course Code</u> 379934
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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.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

COURSE CODES AND CLEARING ENDORSEMENTS	Page 95	Revised July 2013
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HUMAN SERVICES/FCS

EXPLORATORY FAMILY AND CONSUMER SCIENCES

Short Name

Course Code

EXP FCS

090001

Students explore several of the subject matter areas in family and consumer sciences. The intent is to help students take personal responsibility in and understand the breadth of the work of the family and begin to examine the interconnections of family, career and community.

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

FAMILY/CONSMR SCIENCE
MIDDLE GR/FAMILY & CONSUMER

0903
1813

INTRODUCTION TO FAMILY AND CONSUMER SCIENCES

Short Name

Course Code

INT FCS

090002

Students continue to be introduced to the subject matter areas in family and consumer sciences. The intent is to help students understand the breadth of and social responsibility inherent in the work of the family and continuing to examine the interconnections of family, career, and community.

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

FAMILY/CONSMR SCIENCE
MIDDLE GR/FAMILY & CONSUMER

0903
1813

HUMAN SERVICES/FCS

FCS AND CAREER ESSENTIALS

<u>Short Name</u>	<u>Course Code</u>
FCS CAREER	090003

This content is intended to be taught at any, or all of the middle school grade levels. It introduces students to the concepts of personal development, career exploration, healthy living, family relationships, clothing selection and care and consumer issues. The course of study will lay a foundation for further study in the Human Sciences, or will provide the skills for meeting life's challenges.

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

INTRODUCTION TO HUMAN SCIENCE/FCS

<u>Short Name</u>	<u>Course Code</u>
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 but not limited to family and consumer sciences. Student 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 situation.

Recommended Level - Grades 9 -10

Career Cluster - Human Services

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

TEXTILES FOUNDATIONS

<u>Short Name</u>	<u>Course Code</u>
TEXTILES	090103

This course provides instruction in social, psychological, physiological 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 textile research and fashion and marketing.

Recommended Level: Grades 10-12

Career Cluster: Human Services

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

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HUMAN SERVICES/FCS

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.

Recommended Level: Grade 12

Career Cluster: Human Services

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

Endorsement Name

Endorsement Number

FAMILY/CONSUMER SCIENCE

0903

HUMAN FOOD, NUTRITION & WELLNESS

Short Name

Course Code

NUTRI FOOD

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 and food science, students will learn basic preparation skills, the reason behind the reactions of foods and the short-term and long-term wellness consequences as a result of nutritional intake, and, exposure to careers related to the food industry.

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

FAMILY/CONSUMER SCIENCE

0903

ADVANCED HUMAN FOOD, NUTRITION & WELLNESS

Short Name

Course Code

ADV HFNW

090108

This course is designed to provide and prepare students with the advanced knowledge needed to properly and efficiently fuel the human body through food selection, storage and preparation methods. Students will study foods using advanced project based nutritional and food science learning methods. Applying the reactions of foods in the short-term and long-term consequences of over all human wellness as a result of nutritional intake through the foods they prepare and consume, and, exposure to the business of food and food production.

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

FAMILY/CONSUMER SCIENCE

0903

HUMAN SERVICES/FCS

HOUSING AND INTERIOR DESIGN	<u>Short Name</u>	<u>Course Code</u>
	HOUSING	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.

Recommended Level: Grades 10-12
 Career Cluster: Human Services

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

FOOD SCIENCE	<u>Short Name</u>	<u>Course Code</u>
	FOOD SCI	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.

Recommended Level: Grades 10-12
 Career Cluster: Human Services

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMILY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS

RELATIONSHIPS

Short Name

Course Code

RELATION

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.

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

FAMILY/CONSMR SCIENCE
MIDDLE GR/FAMILY & CONSUMER

0903
1813

PARENTING DECISIONS

Short Name

Course Code

PARENTING

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, family planning, conception, prenatal development, healthy pregnancy, birth, care of the newborn, support services for parents, supporting the physical, emotional, intellectual, and social development of the newborn, parenting theories, and family adjustment to parenthood.

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

FAMILY/CONSMR SCIENCE

0903

CHILD DEVELOPMENT

Short Name

Course Code

CHILD DEV

090119

This course integrates knowledge, skills and practices necessary for nurturing the growth and development of children. The study of the biological, psychological and social development factors as related to the development of young children will be studied in addition to the parenting and child care/education practices that maximize human growth and development.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS**FASHION DESIGN**Short NameCourse Code**FASHION****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.

Recommended Level: Grades 10-12

Career Cluster: Human Services

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

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

THE BUSINESS OF TEXTILESShort NameCourse Code**AD TEXTILE****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.

Recommended Level: Grades 11-12

Career Cluster: Human Services

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

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

COMMUNITY AND CAREER LEADERSHIPShort NameCourse Code**CC LEADER****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.

Recommended Level: 9-12 grade

Career Cluster: Human Services

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

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS

CONSUMER ECONOMICS

Short Name

Course Code

CONECON

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.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, 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.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, 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.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS

HUMAN SERVICES/FCS, 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.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, 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.

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

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, 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.

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

FAMILY/CONSMR SCIENCE

0903

LAW, PUBLIC SAFETY AND SECURITY
--

FOUNDATIONS OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY	<u>Short Name</u> LAW	<u>Course Code</u> 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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

INTRODUCTION TO CRIMINAL JUSTICE	<u>Short Name</u> INCRIM JST	<u>Course Code</u> 390015
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

INTRODUCTION TO FIRE & EMERGENCY SERVICES	<u>Short Name</u> FIRE SERV	<u>Course Code</u> 390020
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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

Course Code

LPSS OTHER

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

Course Code

LPSS OTHER

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

Course Code

LPSS OTHER

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

COURSE CODES AND CLEARING ENDORSEMENTS	Page 106	Revised July 2013
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LAW, PUBLIC SAFETY AND SECURITY
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LAW, PUBLIC SAFETY AND SECURITY, OTHER	<u>Short Name</u>	<u>Course Code</u>
	LPSS OTHER	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

SKILLED AND TECHNICAL SCIENCES**INTRODUCTION TO THE BUILT ENVIRONMENT**Short NameCourse Code**INTBLD ENV****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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

PRINCIPLES OF CONSTRUCTIONShort NameCourse Code**PRIN CONST****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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

ADVANCED CONSTRUCTIONShort NameCourse Code**ADV CONST****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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

LANGUAGE OF ARCHITECTURE AND CONSTRUCTION (CADD)

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. 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

INTRODUCTION TO ARCHITECTURE TECHNOLOGY (CADD)

Short Name

Course Code

IN ARCHIT

100131

Students will 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 and computer-generated plans that will be used in design and pre-construction. Computer-aided drafting/design (CADD) may be used.

Recommended Level: Grades 10-12

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

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 AND TECHNICAL SCIENCES

ARCHITECTURAL DRAFTING

<u>Short Name</u>	<u>Course Code</u>
ARCH DRAFT	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000

RESTORATION AND REPAIR OF EXISTING STRUCTURES

<u>Short Name</u>	<u>Course Code</u>
RESTREPAIR	100150

Students will apply skills to restore or repair existing structures. Students will develop skills of using basic troubleshooting procedures to solve maintenance problems. Students will learn evaluation strategies to assess problems and plan solutions; identify the tools, materials and human resources needed to complete the work, and complete the work to restore to the original condition.

Recommended Level: Grades 11-12

Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000

PLTW PRINCIPLES OF ENGINEERING

<u>Short Name</u>	<u>Course Code</u>
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.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000

SKILLED AND TECHNICAL SCIENCES

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.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

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.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

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.

Target: 10-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

PLTW AEROSPACE ENGINEERING

Short Name

Course Code

PLTW AERO

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.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

PLTW BIOTECHNICAL ENGINEERING

Short Name

Course Code

PLTW BIO

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.

Recommended Level: Grades 11-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

ELECTRONICS-COMPREHENSIVE

Short Name

Course Code

ELECTRONIC

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 devices, 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: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

PLTW DIGITAL ELECTRONICS

Short Name

Course Code

PLTW DIG

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 discrete 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.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering, and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

ELECTRICITY IN THE CONSTRUCTION INDUSTRY

Short Name

Course Code

ELECTCONST

100404

The study of various mechanical, electrical and electronic systems in residential, commercial and industrial structures. Basic electrical/electronic theory as it relates to heating and air conditioning, illumination and automated systems are included throughout the course. Basic consumer knowledge about generation of electricity, its transmission and distribution will also 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

ELECTRICITY-COMPREHENSIVE

Short Name

Course Code

ELECTCOMP

100405

Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. These courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs.

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 AND TECHNICAL SCIENCES

ENERGY EXPLORATION

Short Name

Course Code

ENERGY

100406

This course will include the various types of energy available to power structures and transportation vehicles. Topics may include, but are not limited to, fossil, bio, nuclear, wind, solar, and geothermal energy.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

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: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

GREEN ENERGY

Short Name

Course Code

GREENENG

100408

This course will include the various types of green energy available to power structures and transportation vehicles.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

TECHNOLOGY EDUCATION

Short Name

Course Code

TECH ED

100500

Industrial technology courses that expose students to new and emerging technologies that affect our industrial/technical society. A wide range of technologies may be covered that focus on the instructional Cluster of: communications, manufacturing, transportation and construction. Examples of instruction may include, but not be limited to: lasers, fiber optics, electronics, robotics, computer technologies, CAD/CAM, computer graphics design and audiovisual communications.

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
MIDDLE GR/INDUSTRIAL TECH

1000
1816

GATEWAY TO TECHNOLOGY

Short Name

Course Code

GATE/TECH

100501

Students will understand how the use of math, science and technology are used to solve everyday problems. They will demonstrate competency by using "activity oriented" instructional units that relate technology to students' daily lives.

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
MIDDLE GR/INDUSTRIAL TECH

1000
1816

SKILLED AND TECHNICAL SCIENCES**PRINCIPLES OF TECHNOLOGY**Short NameCourse Code**PRIN TECH****100503**

Principles of Technology (Career & Technical Education) is an applied physics course designed to prepare students more effectively for technical careers. The course includes instructions and application of principles of physics such as force transformers, power, energy, resistance, rate, work, force, momentum waves and vibrations, energy convertors, transducers radiating optical systems. Application of the principles is conducted in a laboratory setting which demonstrates the use of these principles by workers in a technical occupations. Note: A two year curriculum for this course has been designed and is most effective when team taught by a physics teacher and an Industrial Technology teacher.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

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

Endorsement NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

EXPLORING SKILLED AND TECHNICAL SCIENCE - 6TH GRADEShort NameCourse Code**EXPLSTS6****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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

MIDDLE GR/INDUSTRIAL TECH

1816

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 7TH GRADE

Short Name

Course Code

EXPLSTS7

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
MIDDLE GR/INDUSTRIAL TECH

1000
1816

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
MIDDLE GR/INDUSTRIAL TECH

1000
1816

SKILLED AND TECHNICAL SCIENCES

PRINCIPLES OF MAINTENANCE AND OPERATIONS

Short Name

Course Code

MAINT/OP

100800

This course provides an overview of processes used in maintenance and operations occupations within the architecture and construction cluster. Students will develop problem-solving and critical-thinking skills by identifying the relationship between available 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

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.

Target 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

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.

Target 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 AND TECHNICAL SCIENCES

INTRO-TRANSPORTATION, DISTRIBUTION AND LOGISTICS

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

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

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 AND TECHNICAL SCIENCES

TRANSPORTATION TECH SVCS & MAINT

Short Name

Course Code

TRTECSERV

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

AUTOMOTIVE & MOBILE EQUIP SERV & REPAIR

Short Name

Course Code

AUTOSERV

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

AUTOMOTIVE BODY REPAIR AND REFINISHING

Short Name

Course Code

AUTOREPAIR

101640

A course that provides students with knowledge and skills regarding the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts.

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 AND TECHNICAL SCIENCES

BUSINESS LOGISTICS

Short Name

Course Code

BUSLOG

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INDUSTRIAL TECH EDUCATION	1000

INTRODUCTION TO MECHATRONICS

Short Name

Course Code

INTERMECH

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000

PLTW COMPUTER INTEGRATED MANUFACTURING

Short Name

Course Code

PLTW MFG

101901

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: Science, Technology, Engineering & Mathematics (STEM)

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000

SKILLED AND TECHNICAL SCIENCES

ADVANCED MECHATRONICS

Short Name

Course Code

ADVMECH

101910

The Advanced Manufacturing course provides the skills and technical knowledge needed for careers in the machining industry as a die-mold maker, CAD/CAM designer programmer, electro mechanical system developer.

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

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

ADVANCED FABRICATION AND MANUFACTURING - WOODS

Short Name

Course Code

ADV FAB/WD

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 AND TECHNICAL SCIENCES

MANUFACTURING - WELDING

Short Name

Course Code

WELD

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.

Target Level: Grades 9-12
 Career Cluster: Manufacturing

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

Endorsement Name

Endorsement Number

AGRICULTURE
 INDUSTRIAL TECH EDUCATION

0100
 1000

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.

Target Level: Grades 11-12
 Career Cluster: Manufacturing

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

Endorsement Name

Endorsement Number

AGRICULTURE
 INDUSTRIAL TECH EDUCATION

0100
 1000

SKILLED AND TECHNICAL SCIENCES

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.

Target 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

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.

Target 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

PLTW COMPUTER INTEGRATED MANUFACTURING

Short Name

Course Code

PLTW C/MFG

103170

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 efficiency.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering and Math (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION OF ENGINEERING

Short Name

Course Code

INTRO ENG

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: Science, Technology, Engineering and Math (STEMS)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

ENGINEERING CONCEPTS

Short Name

Course Code

ENG CONCEP

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: Science, Technology, Engineering and Math (STEMS)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

ENGINEERING APPLICATIONS

Short Name

Course Code

ENG APPL

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: Science, Technology, Engineering and Math (STEMS)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCES

ROBOTICS 1

Short Name

Course Code

ROBOTICS1

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 Science, Technology, Engineering, and Mathematics (STEM) robotics applications.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Math (STEM)

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

SKILLED AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STSOTHER

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 AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STSOTHER

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 AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STSOTHER

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 AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STSOTHER

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 AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STSOTHER

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

Course Codes and Clearing Endorsements - Change Summary**Version 4.1.1****July 29, 2013****Course codes added back in:**

250101 – Title I Reading

250102 – Title I Mathematics

250103 – Title I Extended Kindergarten

250104 – Title I Language Arts

250105 – Title I Prekindergarten

Endorsement Coded added:

1310 – Science to all courses listed under Science subject area

Version 4.1.0**May 29, 2013****Course codes added back in:**

101400 – Manufacturing – Metals

101401 – Advanced Fabrication and Manufacturing - Metals

101930 – Manufacturing – Welding

101940 – Advanced Fabrication and Manufacturing – Welding

101950 – Manufacturing –Plastics

101951 – Advanced Fabrication and Manufacturing – Plastics

Course code title changes:

101920 – Manufacturing – Woods (Previously Manufacturing)

101921 – Advanced Fabrication and Manufacturing – Woods (Previously Advanced Fabrication and Manufacturing)

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 & Plant 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:**

<u>038500</u> Advanced Placement Macroeconomics	1501	Social Science
<u>038501</u> Advanced Placement Microeconomics	1501	Social Science
<u>270700</u> Advanced Placement Computer Science A	0304	Business, Marketing, Info Tech
<u>150750</u> Advanced Placement Geography	1501	Social Science
<u>150805</u> Advanced Placement World History	1501	Social Science
<u>150806</u> Advanced Placement European History	1501	Social Science
<u>150830</u> Advanced Placement US History	1501	Social Science
<u>151210</u> 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