

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

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**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

<b>LEVEL</b>	<b>Appropriate for the following grades</b>
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 9<sup>th</sup> 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 sage 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 NameCourse 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 NameEndorsement Number

AGRICULTURE

0100

**ECONOMICS & AGRIBUSINESS MGMT**Short NameCourse 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 NameEndorsement Number

AGRICULTURE

0100

**AGRICULTURAL SALES & ENTREPRENEURSHIP**Short NameCourse 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 NameEndorsement Number

AGRICULTURE

0100

**AGRICULTURE, FOOD AND NATURAL RESOURCES****EQUINE SCIENCE**Short NameCourse 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 NameEndorsement Number

AGRICULTURE

0100

**VETERINARY SCIENCE**Short NameCourse 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 NameEndorsement Number

AGRICULTURE

0100

**PLANT BIOLOGY**Short NameCourse 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 NameEndorsement 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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
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**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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
--

**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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
--

**ADVANCED FOOD SCIENCE**

Short Name

Course Code

**ADFOOD SCI**

**014001**

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

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

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

Endorsement Name

Endorsement Number

AGRICULTURE  
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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
--

**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:*

Endorsement Name

Endorsement Number

AGRICULTURE  
INDUSTRIAL TECH EDUCATION

0100  
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:*

Endorsement Name

Endorsement Number

AGRICULTURE  
INDUSTRIAL TECH EDUCATION

0100  
1000

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
--

**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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
--

**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](http://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**

**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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
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**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:*

Endorsement Name

Endorsement Number

AGRICULTURE  
FAMILY/CONSUMER SCIENCE

0100  
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:*

Endorsement Name

Endorsement Number

AGRICULTURE  
FAMILY/CONSUMER SCIENCE

0100  
0903

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

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

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 17</b>	<b>Revised Sept 2013</b>
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**AGRICULTURE, FOOD AND NATURAL RESOURCES**

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>AGRI OTHER</b>	<b>019931</b>

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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>AGRI OTHER</b>	<b>019932</b>

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

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 18</b>	<b>Revised Sept 2013</b>
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<b>AGRICULTURE, FOOD AND NATURAL RESOURCES</b>
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<b>AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>AGRI OTHER</b>	<b>019933</b>

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

<b>AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>AGRI OTHER</b>	<b>019934</b>

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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**ACCOUNTING**

Short Name

Course 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 Name

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

**ACCOUNTING, ADVANCED**

Short Name

Course 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 Name

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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<b>COLLEGE PRINCIPLES OF ACCOUNTING</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>PRIN ACCT</b>	<b>030302</b>

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:*

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

<b>COLLEGE PRINCIPLES OF ACCOUNTING II</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>PRINACCTII</b>	<b>030303</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	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 PLANNING**Short 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 NameCourse 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 NameEndorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

**FINANCIAL SERVICES**Short NameCourse 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 NameEndorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**COLLEGE FUNDAMENTALS OF FINANCIAL PLANNING**

Short Name

Course 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 Name

Endorsement Number

BASIC BUSINESS

0301

BUSINESS, MARKETING, INFO TECH

0304

**BUSINESS LAW**

Short Name

Course 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 Name

Endorsement Number

BASIC BUSINESS

0301

BUSINESS, MARKETING, INFO TECH

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 NameCourse 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 NameEndorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

**INTRODUCTION TO BUSINESS, MARKETING & MGMT**Short NameCourse 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 NameEndorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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:*

Endorsement Name

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
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:*

Endorsement Name

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**COLLEGE INTRODUCTION TO BUSINESS**

Short Name

Course Code

**COLINT BSN**

**032400**

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

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH

0301  
0304

**COLLEGE INTRODUCTION TO ENTREPRENEURSHIP**

Short Name

Course 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 Name

Endorsement 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 ISSUES**Short 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

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**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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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**Short NameCourse Code**COL INTFIN****033003**

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

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH  
ECONOMICS

0304  
1503

**COLLEGE INTRODUCTION TO INVESTMENT**Short NameCourse Code**COL INVEST****033004**

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

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH  
ECONOMICS

0304  
1503

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
---

**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

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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**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 Name

Course Code

**BUSNS OTH**

**039930**

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

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

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

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

**BUSINESS, MARKETING AND MANAGEMENT-OTHER**

Short Name

Course Code

**BUSNS OTH**

**039931**

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

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

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

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

**BUSINESS, MARKETING AND MANAGEMENT- OTHER**

Short Name

Course 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 Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

<b>BUSINESS, MARKETING AND MANAGEMENT</b>
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<b>BUSINESS, MARKETING AND MANAGEMENT- OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>BUSNS OTH</b>	<b>039933</b>

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:

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

<b>BUSINESS, MARKETING AND MANAGEMENT- OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>BUSNS OTH</b>	<b>039934</b>

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:

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

**CAREER EDUCATION FOUNDATIONAL AND SPECIALTY**

**MIDDLE SCHOOL CAREER DEVELOPMENT**

Short Name

Course 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 Name

Endorsement Number

OTHER ENDORSEMENT

8888

**HIGH SCHOOL CAREER DEVELOPMENT**

Short Name

Course 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 Name

Endorsement Number

Other Endorsement

8888

<b>CAREER EDUCATION FOUNDATIONAL AND SPECIALTY</b>
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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

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**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

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**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

<b>CAREER EDUCATION FOUNDATIONAL AND SPECIALTY</b>
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<b>CAREER ED FOUNDATIONAL &amp; SPECIALTY, OTHER</b>	<u>Short Name</u> <b>CEFS,OTHER</b>	<u>Course Code</u> <b>329930</b>
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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

<b>CAREER ED FOUNDATIONAL &amp; SPECIALTY, OTHER</b>	<u>Short Name</u> <b>CEFS,OTHER</b>	<u>Course Code</u> <b>329931</b>
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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

<b>CAREER EDUCATION FOUNDATIONAL AND SPECIALTY</b>
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<b>CAREER ED FOUNDATIONAL &amp; SPECIALTY, OTHER</b>	<u>Short Name</u> <b>CEFS,OTHER</b>	<u>Course Code</u> <b>329932</b>
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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

<b>CAREER ED FOUNDATIONAL &amp; SPECIALTY, OTHER</b>	<u>Short Name</u> <b>CEFS,OTHER</b>	<u>Course Code</u> <b>329933</b>
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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**

**CAREER ED FOUNDATIONAL & SPECIALTY, OTHER**

Short Name

Course Code

**CEFS,OTHER**

**329934**

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

Recommended Level: Grades 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 Name

Course 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 Name

Endorsement Number

INFORMATION TECHNOLOGY  
MATHEMATICS

2701  
1100

**INFORMATION TECHNOLOGY APPLICATIONS I**

Short Name

Course Code

**ITECH I**

**270501**

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

Recommended Level: Grades 9-10

Career Cluster: Information Technology

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

Endorsement Name

Endorsement Number

BASIC BUSINESS  
BUSINESS, MARKETING, INFO TECH  
INFORMATION TECHNOLOGY

0301  
0304  
2701

**COMMUNICATION & INFORMATION SYSTEMS**

**INFORMATION TECHNOLOGY APPLICATIONS II**

Short Name

Course Code

**ITECH II**

**270502**

This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students taking both Information Technology Applications I and II may be eligible for 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**

Short Name

Course Code

**ITECH FUND**

**270504**

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

Recommended Level: Grades 10-12

Career Cluster: Information Technology

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

<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 Name

Course 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 Name

Endorsement Number

INFORMATION TECHNOLOGY

2701

**CISCO II: CCNA DISCOVERY**

Short Name

Course 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 Name

Endorsement Number

INFORMATION TECHNOLOGY

2701

**CISCO III: CCNA EXPLORATION**

Short Name

Course 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 Name

Endorsement 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 NameCourse 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:*

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH  
INFORMATION TECHNOLOGY

0304  
2701

**PC SUPPORT AND MAINTENANCE**Short NameCourse Code**PC SUPP****270606**

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

Recommended Level: Grades 10-12

Career Cluster: Information Technology

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

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH  
INFORMATION TECHNOLOGY

0304  
2701

<b>COMMUNICATION &amp; INFORMATION SYSTEMS</b>
--

**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

<b>COMMUNICATION &amp; INFORMATION SYSTEMS</b>
--

**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

<b>COMMUNICATION &amp; INFORMATION SYSTEMS</b>
--

**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](http://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

<b>COMMUNICATION &amp; INFORMATION SYSTEMS</b>
--

<b>COMMUNICATION AND INFORMATION SYSTEMS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>COMP OTHER</b>	<b>279930</b>

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

<b>COMMUNICATION AND INFORMATION SYSTEMS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>COMP OTHER</b>	<b>279931</b>

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

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

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

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

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 Name

Course 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 Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH  
INFORMATION TECHNOLOGY

0304  
2701

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 58</b>	<b>Revised Sept 2013</b>
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**DRIVER EDUCATION/SAFETY EDUCATION**

**DRIVER EDUCATION**

Short Name

Course Code

**DR ED**

**210105**

The course emphasizes a combination of classroom study and automobile operation designed to assist students in becoming knowledgeable traffic citizens while providing the opportunity to operate an automobile under actual road conditions.

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

Endorsement Name

Endorsement Number

DRIVER EDUCATION

2101

**SAFETY EDUCATION**

Short Name

Course Code

**SAFETY ED**

**210200**

A combination of subject matter and experiences directed toward the conservation of human and material resources. The learning environment provided is such that students may acquire knowledge and behavioral patterns conducive to efficient and safe living.

This code should also be used for such courses as:

- School Safety
- Bicycle, Motorcycle Safety
- Vocational and Occupational Safety
- Moped Safety
- Pedestrian Safety
- Other Safety

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

Endorsement Name

Endorsement Number

DRIVER EDUCATION

2101

**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

<b>EDUCATION AND TRAINING</b>
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**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

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

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

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

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

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

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

**ENGLISH LANGUAGE ARTS**

**LANGUAGE ARTS/SKILLS**

Short Name

Course Code

**LANG ARTS**

**050001**

Subject matter and experience concerned with the knowledge, understanding and skills in the full range of language experiences, requiring oral, written and listening skills. Activities include most of the following:

- Language and linguistics, English, composition,
- Reading, literature, public media, speech,
- Dramatic arts and journalism.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING SPECIALIST	0508

**LINGUISTICS**

Short Name

Course Code

**LINGUISTS**

**050008**

An introductory study of language such as, its nature, structure, varieties and history, including especially the sound system, grammatical system, vocabulary, word derivation and writing system.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH	0501
ENGLISH AS 2ND LANG	0605
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
SPEECH	0506
WORLD LANGUAGE	0699
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

<b>ENGLISH LANGUAGE ARTS</b>
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**ENGLISH**

Short Name

Course Code

**ENGLISH**

**050011**

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

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

Endorsement Name

Endorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

**ENGLISH I**

Short Name

Course Code

**ENG I**

**050021**

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 9th grade students.

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

Endorsement Name

Endorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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<b>ENGLISH LANGUAGE ARTS</b>
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**ENGLISH II**

Short Name

Course Code

**ENG II**

**050022**

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 10th grade students.

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS

0501  
0502

**ENGLISH III**

Short Name

Course Code

**ENG III**

**050023**

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 11th grade students.

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS

0501  
0502

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<b>ENGLISH LANGUAGE ARTS</b>
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**ENGLISH IV**

Short Name

Course Code

**ENG IV**

**050024**

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 12th grade students.

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS

0501  
0502

**ADVANCED PLACEMENT ENGLISH LANG/COMP**

Short Name

Course Code

**AP ENGCMP**

**050050**

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. The purpose of this course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. This course should help students move beyond such programmatic responses as the five-paragraph essay that provides an introduction with a thesis and three reasons, body paragraph on each reason, and a conclusion that restates the thesis.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS

0501  
0502

<b>ENGLISH LANGUAGE ARTS</b>
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<b>ADVANCED PLACEMENT ENGLISH LIT/COMP</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>AP ENG LIT</b>	<b>050051</b>

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Reading in an AP course is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods - from the 16th to the 21st century.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502

<b>CREATIVE WRITING/COMPOSITION</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>WRITING</b>	<b>050100</b>

Learning experiences designed to develop knowledge, understanding, and skills involved in expressive uses of writing. Experiences include poetry, fiction and non-fiction used primarily to express the interests and emotions of the writer.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

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<b>ENGLISH LANGUAGE ARTS</b>
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**READING**

Short Name

Course Code

**READING**

**050102**

Learning experiences designed to develop student skill in generating meaning from a variety of texts. Instruction typically emphasizes the continuous development of reading skills and processes appropriate for student needs and purposes for reading.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING SPECIALIST	0508

**LITERATURE, GENERAL**

Short Name

Course Code

**LITERATURE**

**050300**

The study of printed materials which have noteworthy content and excellence of style and which may be identified by country, type and/or period of time.

This code should also be used for such courses as:  
Classical Literature

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

**ENGLISH LANGUAGE ARTS****AMERICAN LITERATURE**Short NameCourse Code**AM LIT****050301**

The study of printed materials which have noteworthy content and excellence of style and which are limited to those written by American authors (including Colonial period writers).

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

Endorsement NameEndorsement Number

ENGLISH  
LANGUAGE ARTS  
MIDDLE GR/LANGUAGE ARTS

0501  
0502  
1817

**BRITISH LITERATURE**Short NameCourse Code**BRIT LIT****050304**

The study of printed materials which have noteworthy content and excellence of style and which are limited to those written by British authors.

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

Endorsement NameEndorsement Number

ENGLISH  
LANGUAGE ARTS

0501  
0502

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**ENGLISH LANGUAGE ARTS**

**LITERATURE, SPECIALIZED**

Short Name

Course Code

**LIT SPEC**

**050310**

The study of printed materials which have noteworthy content and excellence of style and which are limited to specific periods of time, genre, author or subject matter, e.g., Science Fiction, 20th Century Novels, Mark Twain, Shakespeare, etc.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

**ADVANCED PLACEMENT SPANISH LITERATURE**

Short Name

Course Code

**AP SPANLIT**

**050315**

The AP Spanish literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502

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<b>ENGLISH LANGUAGE ARTS</b>
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**JOURNALISM I**

Short Name

Course Code

**JOURN I**

**050401**

This course introduces students to the concept of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the basis of production design, layout, and printing of a publication such as school newspapers, year books and literary magazines.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
JOURN AND MASS COMM	0510
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

**JOURNALISM II**

Short Name

Course Code

**JOURN II**

**050402**

This course provides students practice in advanced journalistic techniques and involves them in the formation and/or management of the production team. This course may include the production of a school newspaper, yearbook, or literary magazine and may include elements of photography, photojournalism, and exploration of opportunities for careers in journalism.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
JOURN AND MASS COMM	0510
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

<b>ENGLISH LANGUAGE ARTS</b>
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**RADIO/TV PRODUCTION**

Short Name

Course Code

**RADIO/TV**

**050404**

A study of broadcasting that includes its history, role in contemporary society, artistic dimensions, production techniques, principal genres, etc.

*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

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**SPEECH, BEGINNING**

Short Name

Course Code

**SPEECH BEG**

**050501**

An introductory course in oral communication. Emphasized are intra and inter- personal communication through activities in group discussion, audience analysis, speech organization and delivery.

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS  
MIDDLE GR/LANGUAGE ARTS  
SPEECH  
SPEECH AND THEATRE

0501  
0502  
1817  
0506  
0504

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**ENGLISH LANGUAGE ARTS**

**SPEECH, ADVANCED**

Short Name

Course Code

**SPEECH AD**

**050502**

The second level of study in oral communication. In addition to further practice in public speaking, opportunities may be included to study and practice debates, communication theory and oral interpretation of literature.

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

Endorsement Name

Endorsement Number

ENGLISH  
LANGUAGE ARTS  
SPEECH  
SPEECH AND THEATRE

0501  
0502  
0506  
0504

**DEBATE**

Short Name

Course Code

**DEBATE**

**050503**

The study of the application of forms of argument to test ideas or reach decisions.

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

Endorsement Name

Endorsement Number

LANGUAGE ARTS  
SPEECH  
SPEECH AND THEATRE

0502  
0506  
0504

**ENGLISH LANGUAGE ARTS**

**PERSONAL COMMUNICATION**

Short Name

Course Code

**PERS COMM**

**050505**

The study and practice of the transitional nature of the communication act as it is affected by self-image, stereotypes, verbal and non-verbal feedback and/or communication barriers.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH AND THEATRE	0504

**APPLIED COMMUNICATIONS**

Short Name

Course Code

**APPLD COMM**

**050506**

A course designed to assist students in developing and refining job-related communication skills: reading, writing/composition, listening, speaking, problem-solving, thinking, visual and nonverbal skills, all interwoven in a manner that prepares students for the world of work outside the classroom. The course is designed to integrate the study of literature with skills needed in the workplace.

*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
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

<b>ENGLISH LANGUAGE ARTS</b>
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**DRAMA, BEGINNING**

Short Name

Course Code

**DRAMA BEG**

**050600**

The study of a type of literature distinguished by plot, setting, theme and characters engaged in movement and dialogue. The main types and styles of dramatic literature usually studied are: tragedy, comedy, melodrama, farce, social drama of ideas, classical, romantic, realistic, impressionistic and expressionistic. Appreciation of the literary qualities may be enhanced by its being read as an artistic creation intended for performance on a stage.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH AND THEATRE	0504
THEATRE	1204

**DRAMA, ADVANCED**

Short Name

Course Code

**DRAMA ADV**

**050650**

The continued study of dramatic literature and styles of its presentation. May also include writing of such literature.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
LANGUAGE ARTS	0502
SPEECH AND THEATRE	0504
THEATRE	1204

**ENGLISH LANGUAGE ARTS**

**LANGUAGE ARTS-SOCIAL SCIENCE CORE**

Short Name

Course Code

**LANG SOCSC**

**050700**

An integrated, interdisciplinary study of language arts, skills, literature, and social science - typically U.S. history. May also include components from such related areas of the humanities as art and music.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
HISTORY	1505
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

**READING-MIDDLE GRADES/JUNIOR HIGH I**

Short Name

Course Code

**READ MG I**

**050800**

This course includes experiences designed to help students expand, develop, and apply reading skills introduced in the elementary grades. This includes reading both for information and enjoyment.

Use this code for the first course in reading at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING SPECIALIST	0508

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<b>ENGLISH LANGUAGE ARTS</b>
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**READING-MIDDLE GRADES/JUNIOR HIGH II**

Short Name

Course Code

**READ MG II**

**050801**

This course includes experiences designed to help students expand, develop, and apply reading skills introduced in first level of middle grades reading. This includes reading both for information and enjoyment.

Use this code for the second course in reading at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING SPECIALIST	0508

**LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH I**

Short Name

Course Code

**LANG MG I**

**050802**

This course includes experiences that engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the elementary grades.

Use this code for the first course in language arts at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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**ENGLISH LANGUAGE ARTS**

<b>LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH II</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>LANG MG II</b>	<b>050803</b>

This course includes experiences that continue to engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the first level of middle grades language arts.

Use this code for the second course in language arts at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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<b>LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH III</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>LANG MGIII</b>	<b>050804</b>

This course includes experiences that continue to engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the first and second level of middle grades language arts.

Use this code for the third course in language arts at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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<b>ENGLISH LANGUAGE ARTS</b>
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<b>ENGLISH LANGUAGE ARTS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ENG OTHER</b>	<b>059930</b>

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Using codes 059930 through 059934 means you can add five "other" courses by using one code for each one of the five courses.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

<b>ENGLISH LANGUAGE ARTS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ENG OTHER</b>	<b>059931</b>

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

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<b>ENGLISH LANGUAGE ARTS</b>
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<b>ENGLISH LANGUAGE ARTS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ENG OTHER</b>	<b>059932</b>

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

<b>ENGLISH LANGUAGE ARTS, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ENG OTHER</b>	<b>059933</b>

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

**ENGLISH LANGUAGE ARTS**

**ENGLISH LANGUAGE ARTS, OTHER**

Short Name

Course Code

**ENG OTHER**

**059934**

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

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

Endorsement Name

Endorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511

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<b>HEALTH SCIENCE</b>
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**EXPLORATION OF HEALTH SCIENCES**

Short Name

Course Code

**EXPLORE HS**

**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:*

Endorsement Name

Endorsement Number

FAMILY/CONSUMER SCIENCE  
HEALTH OCCUPATIONS

0903  
0700

**INTRODUCTION TO HEALTH SCIENCE**

Short Name

Course Code

**INT HLTHSC**

**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:*

Endorsement Name

Endorsement Number

BIOLOGY  
FAMILY/CONSUMER SCIENCE  
HEALTH OCCUPATIONS  
NATURAL SCIENCE

1303  
0903  
0700  
1301

<b>HEALTH SCIENCE</b>
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**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

<b>HEALTH SCIENCE</b>
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**PERSONAL AND COMMUNITY MEDICAL ISSUES**

Short Name

Course 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/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

**EXPLORING THE CLINICAL LAB**

Short Name

Course 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/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

<b>HEALTH SCIENCE</b>
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<b>NURSING ASSISTANT</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>NURASST</b>	<b>077400</b>

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/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

<b>MEDICATION AIDE</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MEDAIDE</b>	<b>077401</b>

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/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301

<b>HEALTH SCIENCE</b>
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**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:*

Endorsement Name

Endorsement Number

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:*

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700

<b>HEALTH SCIENCE</b>
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**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

<b>HEALTH SCIENCE</b>
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**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

<b>HOSPITALITY AND TOURISM</b>
--------------------------------

**HOSPITALITY AND TOURISM**

Short Name

Course Code

**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:*

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH  
FAMILY/CONSMR SCIENCE

0304  
0903

**CULINARY SKILLS 1**

Short Name

Course Code

**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:*

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE

0903

**CULINARY SKILLS 2**

Short Name

Course Code

**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:*

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE

0903

<b>HOSPITALITY AND TOURISM</b>
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**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

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 93</b>	<b>Revised Sept 2013</b>
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<b>HOSPITALITY AND TOURISM</b>
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**HOSPITALITY AND TOURISM, OTHER**

Short Name

Course Code

**HOSPTOTH**

**379931**

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

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  
FAMLY/CONSMR SCIENCE

0304  
0903

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**HOSPITALITY AND TOURISM, OTHER**

Short Name

Course Code

**HOSPTOTH**

**379932**

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

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  
FAMLY/CONSMR SCIENCE

0304  
0903

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<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 94</b>	<b>Revised Sept 2013</b>
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<b>HOSPITALITY AND TOURISM</b>
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<b>HOSPITALITY AND TOURISM, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>HOSPTOTH</b>	<b>379933</b>

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

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

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

<b>HUMAN SERVICES/FCS</b>
---------------------------

**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

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 96</b>	<b>Revised Sept 2013</b>
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<b>HUMAN SERVICES/FCS</b>
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**FCS AND CAREER ESSENTIALS**

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

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>
<b>INT HUMAN</b>	<b>090101</b>

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>
<b>TEXTILES</b>	<b>090103</b>

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

**HUMAN SERVICES/FCS****LIFE AND CAREER READINESS**Short NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

**HUMAN FOOD, NUTRITION & WELLNESS**Short NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

**ADVANCED HUMAN FOOD, NUTRITION & WELLNESS**Short NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

<b>HUMAN SERVICES/FCS</b>
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<b>HOUSING AND INTERIOR DESIGN</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>HOUSING</b>	<b>090109</b>

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

<b>FOOD SCIENCE</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>FOOD SCI</b>	<b>090113</b>

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/CONSUMER SCIENCE  
MIDDLE GRADE/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/CONSUMER 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/CONSUMER 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 TEXTILES**Short 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 LEADERSHIP**Short 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 NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

**HUMAN SERVICES/FCS, OTHER**Short NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

**HUMAN SERVICES/FCS, OTHER**Short NameCourse 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 NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

**LAW, PUBLIC SAFETY AND SECURITY****FOUNDATIONS OF LAW, PUBLIC SAFETY, CORRECTIONS &  
SECURITY**Short Name  
**LAW**Course Code  
**390010**

An exploration of the five pathways of this career cluster: correction services, emergency and fire management services, law enforcement services, legal services and security and protective services, including exposure to careers within all pathways.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

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

Endorsement NameEndorsement Number

OTHER ENDORSEMENT

8888

**INTRODUCTION TO CRIMINAL JUSTICE**Short NameCourse Code**INCRIM JST****390015**

An overview of the history, development and philosophies for crime control and the role of law enforcement within a democratic society. Topics would include an examination of the criminal justice system with an emphasis on the police, the courts (prosecution and defense) and the correctional agencies, and exposure to careers related to criminal justice.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

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

Endorsement NameEndorsement Number

Other Endorsement

8888

**INTRODUCTION TO FIRE & EMERGENCY SERVICES**Short NameCourse Code**FIRE SERV****390020**

An introduction to fire prevention and control including the chemistry of combustion, factors that influence fire and safety procedures. May also introduce students to the organization and regulations of fire departments, emergency medical procedures and fire investigation techniques.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

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

Endorsement NameEndorsement Number

OTHER ENDORSEMENT

8888

**LAW, PUBLIC SAFETY AND SECURITY****COURTS & JUDICIAL PROCESS**Short NameCourse 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 NameEndorsement Number

Other Endorsement

8888

**POLICE AND SOCIETY**Short NameCourse 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 NameEndorsement Number

OTHER ENDORSEMENT

8888

**LAW, PUBLIC SAFETY AND SECURITY, OTHER**Short NameCourse 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 NameEndorsement Number

Other Endorsement

8888

**LAW, PUBLIC SAFETY AND SECURITY****LAW, PUBLIC SAFETY AND SECURITY, OTHER**Short NameCourse 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 NameEndorsement Number

OTHER ENDORSEMENT

8888

**LAW, PUBLIC SAFETY AND SECURITY, OTHER**Short NameCourse 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 NameEndorsement Number

Other Endorsement

8888

**LAW, PUBLIC SAFETY AND SECURITY, OTHER**Short NameCourse 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 NameEndorsement Number

OTHER ENDORSEMENT

8888

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<b>LAW, PUBLIC SAFETY AND SECURITY</b>
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<b>LAW, PUBLIC SAFETY AND SECURITY, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>LPSS OTHER</b>	<b>399934</b>

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

<b>MATHEMATICS</b>
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**ARITHMETIC**

Short Name

Course Code

**ARITHMETIC**

**110201**

That group of elementary rules and principles giving the existing relationships between, and methods of computing with, numbers. Courses should be designed to develop the skills and habits associated with understanding the number processes.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

**PRE-ALGEBRA**

Short Name

Course Code

**ALGEBRAPRE**

**110299**

This course includes the four basic operations and properties on the real numbers with emphasis on integers, solutions of one and two step equations, and creation of functional tables and graphing linear pairs.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

<b>MATHEMATICS</b>
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<b>ALGEBRA, BEGINNING</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ALGEBRA BE</b>	<b>110300</b>

An organization of mathematics subject matter concerned primarily with introductory study of properties of number systems (real number, complex numbers). Topics studied include algebraic expressions and symbols, operations of reals (addition, multiplication, inverse operations), binomials, absolute values, proofs, and functions.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

<b>ALGEBRA, ADVANCED</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ALGEBRA AD</b>	<b>110306</b>

An organization of mathematics subject matter concerned primarily with intermediate and advanced study of properties of number systems (real numbers, complex numbers). Topics studied include graphing in two and three dimensions, set notations, polynomials, exponential notion and operations with exponents, upper and lower bounds, continued sums, matrices, vectors, limits, continuous functions, complex number, combinations, and permutations.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

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<b>MATHEMATICS</b>
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**APPLIED MATHEMATICS I**

Short Name

Course Code

**APPLDMATHI**

**110501**

This course includes concepts found in general mathematics and beginning algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using ratio and proportion, powers and roots, and formulas to solve problems.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

**APPLIED MATHEMATICS II**

Short Name

Course Code

**APP MATHII**

**110502**

This course includes concepts found in first-year algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using linear and nonlinear equations, graphing, factoring, function, quadratics, systems of equations and inequalities to solve problems.

Upon prior completion of a year of appropriate beginning algebra concepts and upon completion of all algebra units in Applied Mathematics II, algebra credit can be given.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

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<b>MATHEMATICS</b>
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**APPLIED MATHEMATICS III**

Short Name

Course Code

**APPMATHIII**

**110503**

This course includes concepts found in first year geometry with emphasis on exploring basic relationship through informal proofs and making conjectures by utilizing manipulatives, geometry tools and technology, and applying geometry to real world situations throughout the course. Concepts include the study of lines and angles, right triangle relationships, shapes in two and three dimensions, logic, coordinate geometry, transformations and spatial visualization.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

**CALCULUS**

Short Name

Course Code

**CALCULUS**

**110600**

The study of two fundamental limits, called the derivative and the integral, and their evaluation by means of a function of algebra called "the Calculus".

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

**ADVANCED PLACEMENT CALCULUS AB**

Short Name

Course Code

**AP CALC AB**

**110620**

The purpose of this course is to introduce students to the major concepts of Calculus which includes the analysis of graphs, limits of functions, derivatives, and integrals.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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<b>MATHEMATICS</b>
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**ADVANCED PLACEMENT CALCULUS BC**

Short Name

Course Code

**AP CALC BC**

**110621**

This course includes Calculus AB topics with the addition of parametric, polar and vector functions and their derivatives, applications of integrals, polynomial approximations and series.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

**MATHEMATICS, GENERAL**

Short Name

Course Code

**GEN MATH**

**111100**

A course that provides students a comprehensive review of basic mathematical skills. Students have opportunity to apply the math concepts to business, consumer and money management situations.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

MIDDLE GR/MATHEMATICS

1818

**GEOMETRY**

Short Name

Course Code

**GEOMETRY**

**111200**

The branch of mathematics concerned with geometric figures in the plane and in space. Geometry emphasizes the use of logic in establishing proofs.

This code should also be used for geometry courses such as:

- Analytical
- Plane
- Plane and Solid
- Solid

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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<b>MATHEMATICS</b>
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**PRE CALCULUS (INTRODUCTION TO ANALYSIS)**

Short Name

Course Code

**PRE CALC**

**111300**

An integrated body of selected aspects of algebra, trigonometry and analytic geometry.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

**TRIGONOMETRY**

Short Name

Course Code

**TRIG**

**111600**

The study of trigonometric ratios and circular functions.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

**STATISTICS/PROBABILITY**

Short Name

Course Code

**STATISTICS**

**111700**

The study of data analysis involving sampling, organization and interpretation of data. The study of probability through experimental and theoretical approaches.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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<b>MATHEMATICS</b>
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**FINITE/DISCRETE MATHEMATICS**

Short Name

Course Code

**FINITE**

**111701**

The topics included in the finite mathematics are linear programming, game theory, Markov processes and probability. The discrete mathematics would include topics like graph and networks, combinations and counting, Boolean algebra, Pascal's triangle, the pigeonhole principle and iterative methods for solving equations.

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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**ADVANCED PLACEMENT STATISTICS**

Short Name

Course Code

**AP STATS**

**111720**

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- \* Exploring Data: Describing patterns and departures from patterns
- \* Sampling and Experimentation: Planning and conducting a study
- \* Anticipating Patterns: Exploring random phenomena using probability and simulation
- \* Statistical Inference: Estimating population parameters and testing hypotheses

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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<b>MATHEMATICS</b>
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**BUSINESS MATH**

Short Name

Course Code

**BUSNS MATH**

**111800**

This course is designed to prepare students for various life roles by offering multiple opportunities to develop and use mathematical skills. Computational skills are essential for citizens, consumers, wage earners, employers, investors, and entrepreneurs. The objectives of this course are to improve computational skills and apply them to personal business situations. Areas of study include mathematical problems dealing with interest, percentages, loans, installment buying, insurance, savings and investments, depreciation, markup and markdown, payroll, taxes, real estate and retirement.

*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
GENERAL OFFICE EDUC	0303
MATHEMATICS	1100
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/MATHEMATICS	1818

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**MATHEMATICS-MIDDLE GRADES/JR HIGH I**

Short Name

Course Code

**MATH MG I**

**112800**

This course includes experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the first course in mathematics at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

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<b>MATHEMATICS</b>
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<b>MATHEMATICS-MIDDLE GRADES/JR HIGH II</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MATH MG II</b>	<b>112801</b>

This course provides experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the second course in mathematics at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

<b>MATHEMATICS-MIDDLE GRADES/JR HIGH III</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MATH MGIII</b>	<b>112802</b>

This course provides experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the third course in mathematics at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

<b>MATHEMATICS</b>
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**MATH, OTHER**

Short Name

Course Code

**MATH OTHER**

**119930**

Mathematics courses not listed or classified under the above codes.

Using codes 119930 through 119934 means you can add five "other" courses by using one code for each one of the five courses.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

**MATH, OTHER**

Short Name

Course Code

**MATH OTHER**

**119931**

Mathematics courses not listed or classified under the above codes.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

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<b>MATHEMATICS</b>
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**MATH, OTHER**

Short Name

Course Code

**MATH OTHER**

**119932**

Mathematics courses not listed or classified under the above codes.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

**MATH, OTHER**

Short Name

Course Code

**MATH OTHER**

**119933**

Mathematics courses not listed or classified under the above codes.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

**MATHEMATICS**

**MATH, OTHER**

Short Name

Course Code

**MATH OTHER**

**119934**

Mathematics courses not listed or classified under the above codes.

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

Endorsement Name

Endorsement Number

MATHEMATICS  
MIDDLE GR/MATHEMATICS

1100  
1818

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<b>SCIENCE</b>
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**BIOLOGY I**

Short Name

Course Code

**BIOLOGY I**

**130201**

The study of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy and organization in living systems, and behavior of organisms. Students should develop the ability to think and act in ways associated with scientific inquiry.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
SCIENCE	1310

**BIOLOGY II**

Short Name

Course Code

**BIOLOGY II**

**130202**

A continuation of the topics and concepts of Biology I, with Biology I as a prerequisite. Students should develop the ability to think and act in ways associated with scientific inquiry.

This code should also be used for such courses as:

- Anatomy
- Botany
- Zoology
- Microbiology

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
NATURAL SCIENCE	1301
SCIENCE	1310

## SCIENCE

## ANATOMY and PHYSIOLOGY

Short NameCourse Code

ANAT/PHYS

130210

The branch of Biology that relates to the structure and relationship between body parts and the relationship between the function of body parts and the body as a whole.

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

Endorsement NameEndorsement Number

BIOLOGY	1303
NATURAL SCIENCE	1301
SCIENCE	1310

## PHYSICAL SCIENCE

Short NameCourse Code

PHYSIC SCI

130300

Study of the major topics, concepts, processes and interrelationship of basic chemistry and physics. Students should develop the ability to think and act in ways associated with scientific inquiry.

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

Endorsement NameEndorsement Number

CHEMISTRY	1307
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

<b>SCIENCE</b>
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**CHEMISTRY I**

Short Name

Course Code

**CHEM I**

**130301**

The study of the structure of atoms, structure and properties of matter, and chemical reactions. Student should develop the ability to think and act in ways associated with scientific inquiry.

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

Endorsement Name

Endorsement Number

CHEMISTRY

1307

NATURAL SCIENCE

1301

PHYSICAL SCIENCE

1304

SCIENCE

1310

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**CHEMISTRY II**

Short Name

Course Code

**CHEM II**

**130302**

A continuation of the topics and concepts of Chemistry I, with Chemistry I as a prerequisite.

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

Endorsement Name

Endorsement Number

CHEMISTRY

1307

NATURAL SCIENCE

1301

PHYSICAL SCIENCE

1304

SCIENCE

1310

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<b>SCIENCE</b>
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**PHYSICS I**

Short Name

Course Code

**PHYSICS I**

**130303**

The study of motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. Students should develop the ability to think and act in ways associated with scientific inquiry.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

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**PRINCIPLES OF TECHNOLOGY I (SCIENCE)**

Short Name

Course Code

**PRTEC SCI**

**130304**

Principles of Technology (Science) is an applied physics course designed to prepare students more effectively for technical careers. This course includes instruction 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, and time certificate with clear constants. Application of the principles is conducted in a laboratory setting which demonstrates the use of these principles by workers in technical occupations.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

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<b>SCIENCE</b>
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**PRINCIPLES OF TECHNOLOGY II (SCIENCE)**

Short Name

Course Code

**PRTEC SCII**

**130306**

A continuation of the topics and concepts in Principles of Technology I, with Principles of Technology I as a prerequisite.

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

Endorsement Name

Endorsement Number

NATURAL SCIENCE  
PHYSICAL SCIENCE  
PHYSICS  
SCIENCE

1301  
1304  
1308  
1310

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**PHYSICS II**

Short Name

Course Code

**PHYSICS II**

**130307**

A continuation of the topics and concepts of Physics I, with Physics I as a prerequisite. Students should develop the ability to think and acts in ways associated with scientific inquiry.

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

Endorsement Name

Endorsement Number

NATURAL SCIENCE  
PHYSICAL SCIENCE  
PHYSICS  
SCIENCE

1301  
1304  
1308  
1310

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**SCIENCE**

**GEOSCIENCE**

Short Name

Course Code

**GEO SCI**

**130415**

The study of energy in the earth systems, geochemical cycles, and origin and evolution of the earth system and universe. Students should develop the ability to think and act in ways associated with scientific inquiry.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
SCIENCE	1310

**SCIENCE-MIDDLE GRADES/JR HIGH I**

Short Name

Course Code

**SCI MG I**

**130801**

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the first course in science at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

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<b>SCIENCE</b>
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**SCIENCE-MIDDLE GRADES/JR HIGH II**

Short Name

Course Code

**SCI MG II**

**130802**

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the second course in science at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

**SCIENCE-MIDDLE GRADES/JR HIGH III**

Short Name

Course Code

**SCI MG III**

**130803**

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the third course in science at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

**SCIENCE**

**ADVANCED PLACEMENT BIOLOGY**

<u>Short Name</u>	<u>Course Code</u>
<b>AP BIOLOGY</b>	<b>135000</b>

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. AP Biology should include those topics regularly covered in a college biology course for majors. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students. The textbooks used for AP Biology should be those used by the college biology majors. The kinds of labs done by AP students must be the equivalent of those done by college students. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
NATURAL SCIENCE	1301
SCIENCE	1310

**ADVANCED PLACEMENT CHEMISTRY**

<u>Short Name</u>	<u>Course Code</u>
<b>AP CHEM</b>	<b>135010</b>

The AP Chemistry course should be the equivalent of the general chemistry course usually taken during the first college year. Students should attain understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should develop the students' abilities to think clearly and express their ideas, orally & in writing, with clarity & logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of lab work done. Quantitative differences appear in the number of topics treated, the time spent on the course, and the nature and the variety of experiments done in the lab. Secondary schools that wish to offer an AP Chemistry course must be prepared to provide a lab experience equivalent to a typical college course.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
SCIENCE	1310

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<b>SCIENCE</b>
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**ADVANCED PLACEMENT PHYSICS**

Short Name

Course Code

**AP PHYSICS**

**135020**

AP Physics courses are intended to be representative of courses commonly offered in college and universities, but they do not necessarily correspond precisely to courses at any particular institution. The aim of an AP secondary school course in physics should be to develop the students' ability to do the following: 1) read, understand and interpret physical information - verbal, mathematical and graphical, 2) describe and explain the sequence of steps in the analysis of a particular physical phenomenon or problem, 3) use basic mathematical in a physical situation or problem, and 4) perform experiments and interpret the results of observations, including making an assessment of experimental uncertainties. In the achievement of these goals, concentration on basic principles of physics and their applications through careful and selective treatment of well-chosen areas is more important than superficial and encyclopedic coverage of many detailed topics.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

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**SCIENCE, OTHER**

Short Name

Course Code

**SCI OTHER**

**139930**

Science courses not otherwise listed or classifiable.

Using codes 139930 through 139934 means you can add five "other" courses by using one code for each one of the five courses.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

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<b>SCIENCE</b>
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**SCIENCE, OTHER**

Short Name

Course Code

**SCI OTHER**

**139931**

Science courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

**SCIENCE, OTHER**

Short Name

Course Code

**SCI OTHER**

**139932**

Science courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

<b>SCIENCE</b>
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**SCIENCE, OTHER**

Short Name

Course Code

**SCI OTHER**

**139933**

Science courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

**SCIENCE, OTHER**

Short Name

Course Code

**SCI OTHER**

**139934**

Science courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308
SCIENCE	1310

<b>PERSONAL DEVELOPMENT</b>
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**ADOLESCENT DEVELOPMENT**

<u>Short Name</u>	<u>Course Code</u>
<b>ADOLE DEV</b>	<b>260200</b>

A course which focuses on helping adolescents better understand the aspects (social, emotional, physical, intellectual) of their own developmental stage. Topics such as self-concept; building self-esteem, establishing and maintaining positive relationships and communications with peers and adults; and assuming responsibility and independence would be included. The Skills for Adolescence/Quest program is one example of this course. If the course is focused more specifically towards the disciplines of family and consumer sciences, health, or social science, it should be included in the other category for that discipline.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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OTHER ENDORSEMENT	8888
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**STUDY SKILLS**

<u>Short Name</u>	<u>Course Code</u>
<b>STUDYSKILL</b>	<b>260300</b>

Learning experiences which develop skills necessary to locate, interpret, understand and use information. Topics included are such reading skills as surveying, skimming, scanning and SQ3R. Additionally, alphabetizing, summarizing, paraphrasing, outlining, note-taking and test-taking skills may be included, as may library, research, and time management skills.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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Other Endorsement	8888
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**LIBRARY MEDIA SKILLS**

<u>Short Name</u>	<u>Course Code</u>
<b>LIBR SKILL</b>	<b>260400</b>

Course designed to provide students with information and basic skills in using the resources of library media centers to locate, evaluate, and retrieve information. May include instruction in safe, efficient, and proper use of the Internet.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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SCHOOL LIBRARIAN	2505 2508
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<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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**HEALTH I**

Short Name

Course Code

**HEALTH I**

**080100**

Learning activities concerning health to achieve desirable knowledge, understanding, attitudes and practices related to personal, family and community health issues.

This code should also be used for such courses as:

- First Aid
- HIV/AIDS Education
- Drug Education
- Other Health

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

**HEALTH II**

Short Name

Course Code

**HEALTH II**

**080101**

An advanced course with current health trends and issues as its central focus, with direction to:

- a) Consumer Health/Protection
- b) Family Life Education
- c) Health Planning
- d) Health Careers
- e) Health Services

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801

<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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<b>HEALTH, SPECIALIZED</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>HEALTHSPEC</b>	<b>080105</b>

A specialized course with healthful living as its central focus primarily directed to:

- a) a safe and healthful school environment
- b) world health issues past, present, future
- c) the role of nutrition, exercise, and stress management to total physical well being.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/HEALTH & PE	1815

<b>FAMILY HEALTH</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>FAM HEALTH</b>	<b>080106</b>

Instruction related to establishing and maintaining a lifestyle which promotes personal fitness, family health and related consumer skills. May include an examination of all aspects of health (physical, social, emotional and mental), nutrition and fitness (including weight control), substance use and abuse, home safety, and family life education (including death and dying).

*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 & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/HEALTH & PE	1815

**PERSONAL HEALTH & PHYSICAL FITNESS****PHYSICAL EDUCATION**Short NameCourse Code**PHYS ED****080150**

A general course with an emphasis on physical, social, emotional and mental well being through the medium of physical activity.

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

Endorsement NameEndorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

**PHYSICAL EDUCATION I**Short NameCourse Code**PHYS ED I****080200**

An introductory course in organized, sequential, and systematic application of the concepts and principles of the art and science of human movement through physical activities.

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

Endorsement NameEndorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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**PHYSICAL EDUCATION II**

Short Name

Course Code

**PHYS ED II**

**080300**

An advanced course, with movement as its central focus, primarily directed to:

- a) the student's ability to move,
- b) the student's use of movement ability for essential purposes such as survival, health maintenance and improvement, fitness, education and leisure, communication and expression,
- c) the relationship of movement to the student's physical and social environment and to other aspects of total growth and development.

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
PHYSICAL EDUCATION

2304  
0802

**PHYSICAL EDUCATION III**

Short Name

Course Code

**PHYSED III**

**080400**

A specialized course with physical fitness and lifetime sports as its central focus primarily directed to:

- a) physical fitness as assessed through measures of strength, flexibility, and circularespiratory endurance, plus ratings of static and dynamic postures,
- b) emphasizing the advantages of voluntary participation throughout life in a variety of activities.

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
PHYSICAL EDUCATION

2304  
0802

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**PERSONAL HEALTH & PHYSICAL FITNESS**

<b>PHYSICAL EDUCATION IV</b>	<u>Short Name</u> <b>PHYS ED IV</b>	<u>Course Code</u> <b>080500</b>
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An advanced course with an emphasis on the significant social, emotional, mental and physical benefits of physical activity directed to:

- a) the promotion of total physical well being with an emphasis on longevity and activity,
- b) degenerative diseases as result of inappropriate nutrition/exercise habits.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

<b>PHYSICAL EDUCATION, SPECIALIZED</b>	<u>Short Name</u> <b>PHYSEDSPEC</b>	<u>Course Code</u> <b>080600</b>
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A specialized course with educational technology and current trends and issues as its central focus primarily directed to the students' ability to utilize exercise physiology concepts as they relate to human movement and performance.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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**STRENGTH TRAINING**

Short Name

Course Code

**STR TRNG**

**080601**

A specialized course with strength training as it's central focus primarily directed to muscle strength and endurance through the development of knowledge and skills using free weights or resistance machines. The principles of training (progression, overload, specificity, regularity, and individuality) are incorporated into the course with an emphasis on safety and proper body positioning.

\* This course is not recommended for middle grades - Resistance training using machines, weights, or barbells should only be used with students in grades 9-12.

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
PHYSICAL EDUCATION

2304  
0802

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**PHYSICAL EDUCATION, OTHER**

Short Name

Course Code

**PHYSED OTH**

**089930**

A specialized course which focuses on a specific set of skills such as:  
Swimming, weight lifting/strength training, dance, etc.

Using codes 089930 through 089934 means you can add five "other" courses by using one code for each one of the five courses.

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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**PHYSICAL EDUCATION, OTHER**

Short Name

Course Code

**PHYSED OTH**

**089931**

A specialized course which focuses on a specific set of skills such as:

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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**PHYSICAL EDUCATION, OTHER**

Short Name

Course Code

**PHYSED OTH**

**089932**

A specialized course which focuses on a specific set of skills such as:

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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<b>PERSONAL HEALTH &amp; PHYSICAL FITNESS</b>
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**PHYSICAL EDUCATION, OTHER**

Short Name

Course Code

**PHYSED OTH**

**089933**

A specialized course which focuses on a specific set of skills such as:

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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**PHYSICAL EDUCATION, OTHER**

Short Name

Course Code

**PHYSED OTH**

**089934**

A specialized course which focuses on a specific set of skills such as:

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

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC  
MIDDLE GR/HEALTH & PE  
PHYSICAL EDUCATION

2304  
1815  
0802

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**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 CONSTRUCTION**Short 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 CONSTRUCTION**Short 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**

Short Name

Course Code

**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:*

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

**RESTORATION AND REPAIR OF EXISTING STRUCTURES**

Short Name

Course Code

**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:*

Endorsement Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

**PLTW PRINCIPLES OF ENGINEERING**

Short Name

Course Code

**PLTW P/ENG**

**100160**

Principles of Engineering (POE) is a Project Lead The Way survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have the opportunity to investigate engineering and high tech career. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning.

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**

**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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**PLTW AEROSPACE ENGINEERING**

<u>Short Name</u>	<u>Course Code</u>
<b>PLTW AERO</b>	<b>100164</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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**PLTW BIOTECHNICAL ENGINEERING**

<u>Short Name</u>	<u>Course Code</u>
<b>PLTW BIO</b>	<b>100165</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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**ELECTRONICS-COMPREHENSIVE**

<u>Short Name</u>	<u>Course Code</u>
<b>ELECTRONIC</b>	<b>100401</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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**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 NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

**ENERGY GENERATION AND DISTRIBUTION**Short NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

**GREEN ENERGY**Short NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**PRINCIPLES OF TECHNOLOGY**

Short Name

Course 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 Name

Endorsement Number

INDUSTRIAL TECH EDUCATION

1000

**EXPLORING SKILLED AND TECHNICAL SCIENCE - 6TH GRADE**

Short Name

Course 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 Name

Endorsement 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 NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

**AUTOMOTIVE & MOBILE EQUIP SERV & REPAIR**Short NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

**AUTOMOTIVE BODY REPAIR AND REFINISHING**Short NameCourse 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 NameEndorsement Number

INDUSTRIAL TECH EDUCATION

1000

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**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:*

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH  
INDUSTRIAL TECH EDUCATION

0304  
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:*

Endorsement Name

Endorsement Number

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:*

Endorsement Name

Endorsement Number

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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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**MANUFACTURING - PLASTICS**

<u>Short Name</u>	<u>Course Code</u>
<b>MFG/PLAST</b>	<b>101950</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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**ADVANCED FABRICATION AND MANUFACTURING - PLASTICS**

<u>Short Name</u>	<u>Course Code</u>
<b>MFG/ADPLAS</b>	<b>101951</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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**PLTW COMPUTER INTEGRATED MANUFACTURING**

<u>Short Name</u>	<u>Course Code</u>
<b>PLTW C/MFG</b>	<b>103170</b>

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:*

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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INDUSTRIAL TECH EDUCATION	1000
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<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 156</b>	<b>Revised Sept 2013</b>
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<b>SKILLED AND TECHNICAL SCIENCES</b>
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**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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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<b>ROBOTICS 1</b>	<u>Short Name</u> <b>ROBOTICS1</b>	<u>Course Code</u> <b>103194</b>
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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:

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

<b>SKILLED AND TECHNICAL SCIENCE, OTHER</b>	<u>Short Name</u> <b>STSOTHER</b>	<u>Course Code</u> <b>109930</b>
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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:

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

<b>SKILLED AND TECHNICAL SCIENCE, OTHER</b>	<u>Short Name</u> <b>STSOTHER</b>	<u>Course Code</u> <b>109931</b>
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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:

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

<b>SKILLED AND TECHNICAL SCIENCES</b>
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<b>SKILLED AND TECHNICAL SCIENCE, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>STSOTHER</b>	<b>109932</b>

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:

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

<b>SKILLED AND TECHNICAL SCIENCE, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>STSOTHER</b>	<b>109933</b>

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:

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

<b>SKILLED AND TECHNICAL SCIENCE, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>STSOTHER</b>	<b>109934</b>

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:

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

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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<b>SOCIAL STUDIES-MIDDLE GRADES/JR HIGH I</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SOC MG I</b>	<b>150011</b>

The study of curriculum and experiences from one or all of the following: history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the first course in Social Studies at the middle grades/junior high.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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<b>SOCIAL STUDIES-MIDDLE GRADES/JR HIGH II</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SOC MG II</b>	<b>150012</b>

The study of curriculum and experiences from one or all of the following: history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the second course in Social Studies at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**SOCIAL STUDIES-MIDDLE GRADES/JR HIGH III**

Short Name

Course Code

**SOC MG III**

**150013**

The study of curriculum and experiences from one or all of the following; history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the third course in Social Studies at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

**ANTHROPOLOGY**

Short Name

Course Code

**ANTHROPOL**

**150100**

The study of people and their worlds in which attention is focused on the relations between people and their culture in the past and present and their ongoing cultural development, and the varieties of human, social and cultural forms.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
HISTORY	1505
SOCIAL SCIENCE	1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**CULTURAL/ETHNIC STUDIES**

Short Name

Course Code

**CULT/ETH**

**150104**

The study of the cultural development and relationships between or among ethnic groups and their impact on the larger culture.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ENGLISH	0501
HISTORY	1505
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

**GEOGRAPHY**

Short Name

Course Code

**GEOGRAPHY**

**150700**

The study of spatial relations and processes on the earth's surface studied on a variety of scales ranging from local to world-wide.

This code should also be used for such geography courses as:

- Human
- Physical
- World
- North America
- South America
- Nebraska
- Other

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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**SOCIAL SCIENCE/SOCIAL STUDIES**

**ADVANCED PLACEMENT GEOGRAPHY**

Short Name

Course Code

**AP GEOG**

**150750**

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GEOGRAPHY	1504
HISTORY	1505
SOCIAL SCIENCE	1501

**WORLD HISTORY**

Short Name

Course Code

**WORLD HIST**

**150800**

The study of the history of events, individuals, groups, institutions, artifacts, ideas and other phenomena associated with the entire world.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**ADVANCED PLACEMENT WORLD HISTORY**

Short Name

Course Code

**AP HISTW**

**150805**

The purpose of AP World History course is to develop greater understanding of the evolution of global processes and contracts in different types of human societies.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

HISTORY  
SOCIAL SCIENCE

1505  
1501

**ADVANCED PLACEMENT EUROPEAN HISTORY**

Short Name

Course Code

**AP HISTEU**

**150806**

The purpose of AP European History since 1450 is to introduce students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

HISTORY  
SOCIAL SCIENCE

1505  
1501

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
--------------------------------------

**NEBRASKA HISTORY**

Short Name

Course Code

**NEBR HIST**

**150810**

The study of the history of events, individuals, groups, institutions, artifacts, ideas and other phenomena associated with Nebraska.

This code should also be used for such courses as:

Great Plains History

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

Endorsement Name

Endorsement Number

HISTORY

1505

MIDDLE GR/SOCIAL SCIENCE

1820

SOCIAL SCIENCE

1501

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**AMERICAN HISTORY**

Short Name

Course Code

**AMER HIST**

**150820**

The study of the history of events, individual groups, institutions, artifacts, ideas and other phenomena associated with the United States.

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

Endorsement Name

Endorsement Number

HISTORY

1505

MIDDLE GR/SOCIAL SCIENCE

1820

SOCIAL SCIENCE

1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**ADVANCED PLACEMENT US HISTORY**

Short Name

Course Code

**AP HIST US**

**150830**

The purpose of the AP program in United States History is to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United State History.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
SOCIAL SCIENCE	1501

**HUMANITIES**

Short Name

Course Code

**HUMANITIES**

**150900**

The advanced study of a group of related subjects such as literature, art, music, religion, history, philosophy, and classical and modern languages, with aspects of social science/social studies forming the core; concerned with individual cultural achievements and values in society.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
ENGLISH	0501
HISTORY	1505
MUSIC	1201
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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<b>ECONOMICS</b>	<u>Short Name</u> <b>ECONOMICS</b>	<u>Course Code</u> <b>151000</b>
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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

<b>POLITICAL SCIENCE</b>	<u>Short Name</u> <b>POLISCIENC</b>	<u>Course Code</u> <b>151100</b>
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The study of governments and political behavior.

This code could also be used for such courses as:

- Comparative Governments
- Political Parties and Public Opinion
- Other

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
--------------------------------------

**MODERN PROBLEMS**

Short Name

Course Code

**MOD PROBS**

**151103**

An advanced course dealing with the analysis of economic, social, political, cultural, and other issues which influence the economic, social, political, and cultural change and development of modern societies, specifically American society.

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

Endorsement Name

Endorsement Number

HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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**AMERICAN GOVERNMENT**

Short Name

Course Code

**AMER GVNMT**

**151110**

The study of the process and structures by which people govern themselves at the local, state and national level.

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

Endorsement Name

Endorsement Number

HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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**SOCIAL SCIENCE/SOCIAL STUDIES**

**ADVANCED PLACEMENT GOVERNMENT**

Short Name

Course Code

**AP GOV**

**151113**

The purpose of the AP course in United States Government and Politics is to give students an analytical perspective on government and politics in the United States.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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**CIVICS**

Short Name

Course Code

**CIVICS**

**151114**

Courses which develop understanding and attitudes that encourage people to participate in civic affairs and to understand their rights and responsibilities as citizens.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**INTERNATIONAL RELATIONS**

Short Name

Course Code

**INTL RELAT**

**151120**

The study of agencies, operations and principles involved in communication and interaction among nations, with emphasis typically given to relations among governments.

This code should also be used for such courses as:

- Global Studies
- Global Conflict

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

Endorsement Name

Endorsement Number

HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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**PSYCHOLOGY**

Short Name

Course Code

**PSYCHOLOGY**

**151200**

The study of human behavior and mental processes.

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

Endorsement Name

Endorsement Number

PSYCHOLOGY	1508
SCHOOL COUNSELOR	2501
SOCIAL SCIENCE	1501

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**ADVANCED PLACEMENT PSYCHOLOGY**

Short Name

Course Code

**AP PSYCHOL**

**151210**

The purpose of AP Psychology course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

PSYCHOLOGY  
SOCIAL SCIENCE

1508  
1501

**SOCIOLOGY**

Short Name

Course Code

**SOCIOLOGY**

**151300**

The study of the structure, functions, and various forms of human society.

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

Endorsement Name

Endorsement Number

SOCIAL SCIENCE  
SOCIOLOGY

1501  
1509

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**RELIGION I**

Short Name

Course Code

**RELIGION I**

**151301**

The investigation of religious beliefs and statements; the study of religious organizations and churches and their functions in society. Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01.

This code should be used for such courses as:  
Philosophy of Religion

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

Endorsement Name

Endorsement Number

RELIGIOUS EDUCATION

1506

**RELIGION II**

Short Name

Course Code

**RELIGIONII**

**151302**

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

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

Endorsement Name

Endorsement Number

RELIGIOUS EDUCATION

1506

**RELIGION III**

Short Name

Course Code

**RELIG III**

**151303**

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

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

Endorsement Name

Endorsement Number

RELIGIOUS EDUCATION

1506

<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**RELIGION IV**

Short Name

Course Code

**RELIGIONIV**

**151304**

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

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

Endorsement Name

Endorsement Number

RELIGIOUS EDUCATION

1506

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**SOCIAL SCIENCE, OTHER**

Short Name

Course Code

**SOC OTHER**

**159930**

Social Science courses not listed or classifiable under the above codes.

Using codes 159930 through 159934 means you can add five "other" courses by using one code for each one of the five courses.

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

Endorsement Name

Endorsement Number

ANTHROPOLOGY

1502

ECONOMICS

1503

GEOGRAPHY

1504

HISTORY

1505

MIDDLE GR/SOCIAL SCIENCE

1820

POLITICAL SCIENCE

1507

RELIGIOUS EDUCATION

1506

SOCIAL SCIENCE

1501

SOCIOLOGY

1509

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
--------------------------------------

**SOCIAL SCIENCE, OTHER**

Short Name

Course Code

**SOC OTHER**

**159931**

Social Science courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

**SOCIAL SCIENCE, OTHER**

Short Name

Course Code

**SOC OTHER**

**159932**

Social Science courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

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<b>SOCIAL SCIENCE/SOCIAL STUDIES</b>
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**SOCIAL SCIENCE, OTHER**

Short Name

Course Code

**SOC OTHER**

**159933**

Social Science courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

**SOCIAL SCIENCE, OTHER**

Short Name

Course Code

**SOC OTHER**

**159934**

Social Science courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

<b>VISUAL &amp; PERFORMING ARTS (ART)</b>
---

**ART I**

Short Name

Course Code

**ART I**

**020100**

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to history and culture and to other curricular areas.

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

Endorsement Name

Endorsement Number

ART  
GENERAL ART  
MIDDLE GR/ART

0200  
0201  
1811

**ART II**

Short Name

Course Code

**ART II**

**020200**

A second course in Art. In-depth considerations of design and composition, with extended experiences in two and three dimensional work; may be in 9-week segments emphasizing, for example:

- Drawing
- Painting
- Printmaking
- Pottery/Ceramics
- Sculpture
- Photography

Further consideration of art appreciation, theory, and history may be included at this level.

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

Endorsement Name

Endorsement Number

ART  
MIDDLE GR/ART

0200  
1811

<b>VISUAL &amp; PERFORMING ARTS (ART)</b>
---

**ART III**

Short Name

Course Code

**ART III**

**020300**

An extension of the experiences provided in Art II with the opportunity for growing specialization. Specialized courses in art appreciation, theory and history should be designated with this title.

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

Endorsement Name

Endorsement Number

ART

0200

**ART IV**

Short Name

Course Code

**ART IV**

**020400**

Independent, contract study.

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

Endorsement Name

Endorsement Number

ART

0200

**ADVANCED PLACEMENT STUDIO ART 2D**

Short Name

Course Code

**AP ART 2D**

**020500**

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

ART

0200

**VISUAL & PERFORMING ARTS (ART)**

**ADVANCED PLACEMENT STUDIO ART 3D**

Short Name

Course Code

**AP ART 3D**

**020501**

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

ART

0200

**ADVANCED PLACEMENT STUDIO ART DRAW**

Short Name

Course Code

**AP ART DR**

**020502**

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

ART

0200

**AP ART HISTORY**

Short Name

Course Code

**AP ARTHIST**

**020503**

The AP Art History course should engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media.

It also provides an opportunity for schools to strengthen an area neglected in most curricula. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who perform successfully on the AP Art History Exam.

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

Endorsement Name

Endorsement Number

ART

0200

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<b>VISUAL &amp; PERFORMING ARTS (ART)</b>
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**PHOTOGRAPHY**

<u>Short Name</u>	<u>Course Code</u>
<b>PHOTOGRAPH</b>	<b>020600</b>

An introductory course dealing with the study of such topics as exposure, film types, filters, cameras, lenses, close-up photography, photomacrography, photomicrography, proof sheets, negatives, the darkroom, and basic techniques and skills of photography.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
MIDDLE GR/ART	1811

**ART-MIDDLE GRADES/JUNIOR HIGH I**

<u>Short Name</u>	<u>Course Code</u>
<b>ART MG I</b>	<b>020800</b>

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to history and culture and to other curricular areas.

Use this code for the first course in art at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

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**VISUAL & PERFORMING ARTS (ART)**

**ART-MIDDLE GRADES/JUNIOR HIGH II**

Short Name

Course Code

**ART MG II**

**020801**

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to history and culture and to other curricular areas.

Use this code for the second course in art at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

**ART-MIDDLE GRADES/JUNIOR HIGH III**

Short Name

Course Code

**ART MG III**

**020802**

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to history and culture and to other curricular areas.

Use this code for the third course in art at the middle grades/junior high level.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

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<b>VISUAL &amp; PERFORMING ARTS (ART)</b>
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<b>ART, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ART OTHER</b>	<b>029930</b>

Programs or courses not otherwise listed or classifiable.

Using codes 029930 through 029934 means you can add five "other" courses by using one code for each of the five courses.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

<b>ART, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ART OTHER</b>	<b>029931</b>

Programs or courses not otherwise listed or classifiable.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

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<b>VISUAL &amp; PERFORMING ARTS (ART)</b>
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<b>ART, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ART OTHER</b>	<b>029932</b>

Programs or courses not otherwise listed or classifiable.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

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<b>ART, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ART OTHER</b>	<b>029933</b>

Programs or courses not otherwise listed or classifiable.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

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## VISUAL &amp; PERFORMING ARTS (ART)

ART, OTHER

Short NameCourse Code

ART OTHER

029934

Programs or courses not otherwise listed or classifiable.

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

Endorsement NameEndorsement NumberART  
GENERAL ART  
MIDDLE GR/ART0200  
0201  
1811

## VISUAL &amp; PERFORMING ARTS (DRAMA/THEATRE)

DRAMA/THEATRE

Short NameCourse Code

THEATRE

220100

Courses involving study of playwriting, dramatic literature, scenic design, acting, directing, and the supporting arts and crafts of the THEATRE and certain aspects of radio, TV and films. Generally such study should be coupled with opportunities for the actual performance of the various forms of dramatic arts.

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

Endorsement NameEndorsement Number

LANGUAGE ARTS

0502

MIDDLE GR/LANGUAGE ARTS

1817

SPEECH AND THEATRE

0504

THEATRE

1204

<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
---

**MUSIC**

Short Name  
**MUSIC**

Course Code  
**120100**

Music designed for all students for general cultural development.

This code should also be used for:  
General Music

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

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**VOCAL MUSIC**

Short Name  
**VOCALMUSIC**

Course Code  
**120400**

Learning experiences designed for vocal repertoire and vocal skills through solo and group performance in large ensembles of students such as a choir, chorus, glee club and swing choir.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

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<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
---

<b>SMALL PERFORMING GROUPS/VOCAL</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>VOC GRPS</b>	<b>120450</b>

A vocal chamber group such as a trio, quartet, octet, and/or madrigal ensemble that offers opportunities not available in larger groups.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

<b>INSTRUMENTAL MUSIC</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>INSTRMUSIC</b>	<b>120500</b>

The study of instrumental music skills through solo and group performance in larger ensembles of students such as concert, marching and state band, and full and string orchestra.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201

<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
---

<b>SMALL PERFORMING GROUPS/INSTRUMENTAL</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>INSTR GRPS</b>	<b>120550</b>

An instrumental chamber group such as a trio, quartet, or quintet that offers opportunities not available in larger groups.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201

<b>INDIVIDUAL LESSONS/VOCAL</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>LESSON/VOC</b>	<b>120600</b>

Instruction designed for developing skills and knowledge in vocal performance.

NOTE: No more than 10 instructional units may be counted for either vocal or instrumental individual lessons or any combination thereof.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

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<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
---

**INDIVIDUAL LESSONS/INSTRUMENTAL**

Short Name

Course Code

**LESSON/INS**

**120650**

Instruction designed for developing skill and knowledge in instrumental performance.

NOTE: No more than 10 instructional units may be counted for either vocal or instrumental individual lessons or any combination thereof.

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

Endorsement Name

Endorsement Number

INSTRUMENTAL MUSIC  
MUSIC

1202  
1201

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**ADVANCED PLACEMENT MUSIC THEORY**

Short Name

Course Code

**AP MUSTHEO**

**120700**

The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. In an AP Music Theory course, students should be required to read, notate, write, sing and listen to music.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

INSTRUMENTAL MUSIC  
MUSIC  
VOCAL MUSIC

1202  
1201  
1203

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<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
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<b>MUSIC, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MUSIC OTH</b>	<b>129930</b>

Music courses not listed or classifiable under the above codes.

This code could be used for:  
 Music Literature, History  
 Music Appreciation  
 Music Theory

Using codes 129930 through 129934 means you can add five "other" courses by using one code for each one of the five courses.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

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<b>MUSIC, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MUSIC OTH</b>	<b>129931</b>

Music courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

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<b>VISUAL &amp; PERFORMING ARTS (MUSIC)</b>
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<b>MUSIC, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MUSIC OTH</b>	<b>129932</b>

Music courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

<b>MUSIC, OTHER</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>MUSIC OTH</b>	<b>129933</b>

Music courses not listed or classifiable under the above codes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

**VISUAL & PERFORMING ARTS (MUSIC)****MUSIC, OTHER**Short NameCourse Code**MUSIC OTH****129934**

Music courses not listed or classifiable under the above codes.

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

Endorsement NameEndorsement Number

INSTRUMENTAL MUSIC  
MUSIC  
VOCAL MUSIC

1202  
1201  
1203

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**WORLD LANGUAGE**

**WORLD LANGUAGE LATIN I**

Short Name

Course Code

**LATIN I**

**060105**

This beginning course includes the study of the language, literature and culture of the Roman world. Students will be able to understand familiar words, interpret very simple sentences and respond appropriately to simple questions, statements, and commands. Students will be able to read and write words, phrases and simple sentences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-LATIN

1814  
0603

**WORLD LANGUAGE LATIN II**

Short Name

Course Code

**LATIN II**

**060106**

This course includes a more complex study of the language, literature and culture of the Roman world. Students will be able to understand phrases, sentences and commonly used vocabulary, interpret content, and recognize the main point of simple texts. Students will be able to read and interpret the meaning of short, simple texts and can communicate comprehension of prose and poetry by responding and writing answers to questions and statements. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-LATIN

0603

**ADVANCED PLACEMENT LATIN VERGIL**

Short Name

Course Code

**AP LATIN**

**060107**

The aims of the AP Latin: Vergil course are in general conformity with college Latin studies in the fourth through sixth semesters. As in all such courses at this level, the basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin. In the course, as in the parallel courses at colleges, students are expected to be able to translate accurately from Latin into English the poetry they are reading and to demonstrate a grasp of grammatical structures and vocabulary.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-LATIN

0603

**WORLD LANGUAGE**

**WORLD LANGUAGE FRENCH I**

Short Name

Course Code

**FRENCH I**

**060221**

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-FRENCH

1814  
0601

**WORLD LANGUAGE FRENCH II**

Short Name

Course Code

**FRENCH II**

**060222**

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

**WORLD LANGUAGE FRENCH III**

Short Name

Course Code

**FRENCH III**

**060223**

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE FRENCH IV**

Short Name

Course Code

**FRENCH IV**

**060224**

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

**WORLD LANGUAGE FRENCH V**

Short Name

Course Code

**FRENCH V**

**060225**

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

**ADVANCED PLACEMENT FRENCH AND CULTURE**

Short Name

Course Code

**AP FRENCH**

**060226**

The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. This course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

**WORLD LANGUAGE**

**WORLD LANGUAGE GERMAN I**

Short Name

Course Code

**GERMAN I**

**060231**

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-GERMAN

1814  
0602

**WORLD LANGUAGE GERMAN II**

Short Name

Course Code

**GERMAN II**

**060232**

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

**WORLD LANGUAGE GERMAN III**

Short Name

Course Code

**GERMAN III**

**060233**

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE GERMAN IV**

Short Name

Course Code

**GERMAN IV**

**060234**

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

**WORLD LANGUAGE GERMAN V**

Short Name

Course Code

**GERMAN V**

**060235**

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

**ADVANCED PLACEMENT GERMAN AND CULTURE**

Short Name

Course Code

**AP GERMAN**

**060236**

The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary use, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. This course strive to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language. The course engages students in an exploration of culture in both contemporary and historical contexts.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE SPANISH I**

Short Name

Course Code

**SPANISH I**

**060241**

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-SPANISH

1814  
0604

**WORLD LANGUAGE SPANISH II**

Short Name

Course Code

**SPANISH II**

**060242**

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-SPANISH

1814  
0604

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE SPANISH III**

Short Name

Course Code

**SPANISHIII**

**060243**

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

**WORLD LANGUAGE SPANISH IV**

Short Name

Course Code

**SPANISH IV**

**060244**

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

**WORLD LANGUAGE SPANISH V**

Short Name

Course Code

**SPANISH V**

**060245**

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

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<b>WORLD LANGUAGE</b>
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**ADVANCED PLACEMENT SPANISH**

Short Name

Course Code

**AP SPANISH**

**060246**

The AP Spanish Language course should help prepare students to demonstrate their level of Spanish proficiency across three communicative models (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]), and the five goal areas outlined in the: Standards for Foreign Language Learning in the 21st Century (Communication, Cultures, Connections, Comparisons and Communities). The course is meant to be comparable to third year (fifth or sixth semester) college and university courses that focus on speaking and writing in the target language at an advanced level.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

**WORLD LANGUAGE JAPANESE I**

Short Name

Course Code

**JAPANESE I**

**060251**

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-JAPANESE

1814  
0607

**WORLD LANGUAGE JAPANESE II**

Short Name

Course Code

**JAPANESEII**

**060252**

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-JAPANESE

0607

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<b>WORLD LANGUAGE</b>
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**ADVANCED PLACEMENT JAPANESE AND CULTURE**

<u>Short Name</u>	<u>Course Code</u>
<b>APJAPANESE</b>	<b>060253</b>

The AP Japanese Language and Culture course is designed to be comparable to college/university Japanese courses that represent the point at which students complete approximately 300 hours of college-level classroom instruction. Like the corresponding college courses, the AP course supports students as they develop the productive, receptive, and cultural skills necessary to communicate with native speakers of Japanese. Students' proficiency levels at the end of the course are expected to reach at least the Intermediate Low to Intermediate Mid range, as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.

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](http://www.collegeboard.com).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-JAPANESE	0607

**WORLD LANGUAGE RUSSIAN I**

<u>Short Name</u>	<u>Course Code</u>
<b>RUSSIAN I</b>	<b>060261</b>

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE-RUSSIAN	0606

**WORLD LANGUAGE RUSSIAN II**

<u>Short Name</u>	<u>Course Code</u>
<b>RUSSIAN II</b>	<b>060262</b>

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-RUSSIAN	0606

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE CHINESE I**

Short Name

Course Code

**CHINESE I**

**060271**

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE  
WORLD LANGUAGE-CHINESE

1814  
0608

**WORLD LANGUAGE CHINESE II**

Short Name

Course Code

**CHINESE II**

**060272**

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

**WORLD LANGUAGE CHINESE III**

Short Name

Course Code

**CHINESEIII**

**060273**

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE CHINESE IV**

Short Name

Course Code

**CHINESE IV**

**060274**

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

**WORLD LANGUAGE CHINESE V**

Short Name

Course Code

**CHINESE V**

**060275**

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

**ADVANCED PLACEMENT CHINESE AND CULTURE**

Short Name

Course Code

**AP CHINESE**

**060276**

The AP Chinese Language and Culture course is designed to be comparable to fourth semester (or the equivalent) college/university courses in Mandarin Chinese. These college courses, which deepen students' immersion into the language and culture of the Chinese-speaking world, typically represent the point at which students approximately 250 hours of college-level classroom instruction. Course work provides students with opportunities to perform Intermediate- to Advanced-level tasks, and students are expected to achieve proficiencies throughout, and sometimes beyond, the Intermediate range, as described in the American Council on the Teaching of Foreign Languages (AFTFL) Proficiency Guidelines.

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](http://www.collegeboard.com).

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

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<b>WORLD LANGUAGE</b>
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**AMERICAN SIGN LANGUAGE I**

Short Name

Course Code

**AM SIGN I**

**064100**

This beginning course includes American Sign Language (ASL) instruction and Deaf culture awareness components. Students will be able to understand and interpret basic American Sign Language on a variety of everyday, school and family topics. They will be able to follow and give simple directions and instructions, exchange essential information and negotiate the signing environment using a few polite behaviors and basic nonmanual cues in very limited situations. This course should help students begin to develop cultural understanding and demonstrate practices appropriate to the culture in which ASL is used.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-ASL  
WORLD LANGUAGE-ASL SUPP

0612  
0613

**AMERICAN SIGN LANGUAGE II**

Short Name

Course Code

**AM SIGN II**

**064101**

This course enables students to express and comprehend basic information while interacting in ASL. Students will be able to engage in conversations, express feelings and emotions, and exchange opinions on personal and school experiences. Using ASL students can ask and respond to familiar questions for clarification. They will be able to interact in groups to develop and propose solutions to issues and problems related to the school or community. This course should help students understand basic cultural practices of Deaf culture and begin to use a few simple cultural practices and customs.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-ASL  
WORLD LANGUAGE-ASL SUPP

0612  
0613

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<b>WORLD LANGUAGE</b>
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**AMERICAN SIGN LANGUAGE III**

Short Name

Course Code

**AM SIGNIII**

**064102**

This course enables students to understand main points in a conversation on familiar topics about school, leisure, work, etc. Students will be able to exchange, support, and discuss their opinions and individual perspectives on a variety of familiar topics. Using ASL they will be able to discuss current or past events that are significant in the Deaf culture or being studied in another subject. Students can compare basic similarities and differences between Deaf culture and other cultures. This course should help students demonstrate cultural understanding of practices, products, and perspectives appropriate to the culture in which ASL is used.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-ASL  
WORLD LANGUAGE-ASL SUPP

0612  
0613

**AMERICAN SIGN LANGUAGE IV**

Short Name

Course Code

**AM SIGN IV**

**064103**

This course enables students to understand extended conversations, provided the topic is familiar. Students will be able to understand and interpret American Sign Language in a variety of real-life situations on everyday topics. They will be able to comprehend main ideas and some supporting details from simple announcements, narratives, and conversations in familiar situations on everyday topics. Students can actively participate in American Sign Language related events in schools and communities by using ASL. This course should help students demonstrate understanding of the nature of ASL and its culture through comparisons of their own language and culture.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-ASL  
WORLD LANGUAGE-ASL SUPP

0612  
0613

**WORLD LANGUAGE**

**LANGUAGE SURVEY**

Short Name

Course Code

**LAN SURVEY**

**065000**

These are exploratory courses that introduce the student to the language and culture of people from several different major world language groups. This course may also be called Foreign Language Exploratory (FLEX) or Introduction to Foreign Language.

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

Endorsement Name

Endorsement Number

	1207
BILINGUAL EDUCATION	0609
ENGLISH	0501
ENGLISH AS 2ND LANG	0605
LANGUAGE-SOC SCI	2301
MIDDLE GR/WORLD LANGUAGE	1814
SOCIAL SCIENCE	1501
WORLD LANGUAGE	0699
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

**WORLD LANGUAGE**

**WORLD LANGUAGE, OTHER**

Short Name

Course Code

**F LANG OTH**

**069930**

Foreign language courses not otherwise listed or classifiable.

Using codes 069930 through 069934 means you can add five "other" courses by using one code for each one of the five courses.

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

Endorsement Name

Endorsement Number

BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

**WORLD LANGUAGE**

**WORLD LANGUAGE, OTHER**

Short Name

Course Code

**F LANG OTH**

**069931**

Foreign language courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

**WORLD LANGUAGE**

**WORLD LANGUAGE, OTHER**

Short Name

Course Code

**F LANG OTH**

**069932**

Foreign language courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

**WORLD LANGUAGE**

**WORLD LANGUAGE, OTHER**

Short Name

Course Code

**F LANG OTH**

**069933**

Foreign language courses not otherwise listed or classifiable.

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

Endorsement Name

Endorsement Number

BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

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<b>WORLD LANGUAGE</b>
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**WORLD LANGUAGE, OTHER**

Short Name

Course Code

**F LANG OTH**

**069934**

Foreign language courses not otherwise listed or classifiable.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

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**SPANISH FOR NATIVE SPANISH SPEAKERS**

Short Name

Course Code

Spanish for Native Spanish Speakers is not a Foreign Language Course.

Use Course Code 230601 - See course listed under "MISC CURRICULUM" on page 156.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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<b>TITLE I CURRICULUM</b>
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**TITLE I READING**

Short Name

Course Code

**TI I READ**

**250101**

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Reading (050102) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY endorsement clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LEARNING DISABILITIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISABILITIES	1913
READ AND WRITING	0511
READING SPECIALIST	0508

**TITLE I MATHEMATICS**

Short Name

Course Code

**TI I MATH**

**250102**

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Arithmetic (110201) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY endorsement clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
LEARNING DISABILITIES	1906
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
MILD/MODERATE DISABILITIES	1913

<b>TITLE I CURRICULUM</b>
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**TITLE I EXTENDED KINDERGARTEN**

Short Name

Course Code

**TI I EXKDG**

**250103**

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs.

A supplemental program which precedes the more formal instructional program in the elementary grades. The Title I kindergarten program may provide a background of supplemental concrete experiences in the basic skills.

This code should be used only for classes operating under the auspices of Title I.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
PRE-SCHOOL DISABILITIES	1915

**TITLE I LANGUAGE ARTS**

Short Name

Course Code

**TI I LANG**

**250104**

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Language Arts (050001) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY and READING endorsements clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LEARNING DISABILITIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISABILITIES	1913
READ AND WRITING	0511
READING SPECIALIST	0508

<b>TITLE I CURRICULUM</b>
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<b>TITLE I PREKINDERGARTEN</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>TI I PK</b>	<b>250105</b>

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs.

An early childhood program (for eligible children) which precedes kindergarten. The Title I prekindergarten program provides a background of developmentally appropriate experiences to assist children in their language and concept development. Parental involvement is a key aspect of such programs for young children.

This code should be used only for classes operated under the auspices of Title I.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
PRE-SCHOOL DISABILITIES	1915

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<b>MISCELLANEOUS CURRICULUM</b>
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**JROTC (Junior Reserve Officers Training Corp)**

Short Name

Course Code

**JROTC**

**230101**

The purpose of JROTC is "to instill in students in [United States] middle and secondary educational institutions the values of citizenship, service to the United States, and personal responsibility and a sense of accomplishment". Additional objectives are established by the service departments of the Department of Defense. Under 542.4 of Title 32 (National Defense) of the Code of Federal Regulations, the objectives for each grade are: \*Developing good citizenship and patriotism, \*Developing self-reliance, leadership, and responsiveness to constituted authority, \*Improving the ability to communicate well both orally and in writing, \*Developing an appreciation of the importance of physical fitness, \*Increasing a respect for the role of the U.S. Armed Forces in support of national objectives, \*Developing knowledge of team building skills and basic military skills. JROTC follows a prescribed curriculum that helps cadets develop life-long leadership and decision making. The curriculum supports the school's mission and mandates by integrating technology, linking content to state standards, integrating reading and writing, and providing character and financial education.

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

Endorsement Name

Endorsement Number

ROTC

2200

**SPANISH FOR NATIVE SPANISH SPEAKERS**

Short Name

Course Code

**SPANSPEAK**

**230601**

Courses in Spanish for Native Spanish Speakers support, reinforce and expand students' knowledge of their own Spanish tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), courses in Spanish for native Spanish Speakers often move faster than do regular foreign language courses. It may be structured similar to an English Language Arts course (with a study of literature and composition.) These courses may incorporate more of the culture or history of the people than do regular foreign language courses and may introduce translation skills. This course may also be called Spanish for Spanish Speakers or Spanish for Proficient/Native Speakers.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

**STUDENT AIDE**

Short Name

Course Code

**STUDNTAIDE**

**230800**

The Student Aide program is offered for students who are working in certain areas of the school operation; for example, office worker, library assistant, or teacher assistant.

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

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

**HIGH ABILITY EDUCATION**

**HIGH ABILITY EDUCATION**

Short Name

Course Code

**HIGH AB ED**

**300100**

Subject matter and experiences designed for individuals identified by professionally qualified personnel as being capable of high performance in one or more areas of special competence. Among these areas of special competence are creativity, leadership ability and social adeptness, and facility in the productive and performing arts.

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

Endorsement Name

Endorsement Number

Other Endorsement

8888

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**ENGLISH AS A SECOND LANGUAGE**

<b>ENGLISH AS A SECOND LANGUAGE</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ESL</b>	<b>310010</b>

A special course designed to teach the English language to non-or limited English speaking students. The goals of ESL instruction are: 1) to provide students with the English language skills appropriate to their grade level as rapidly as possible; 2) to orient students to the culture patterns of American life so they can participate fully in the classroom, the school, and the community; 3) to develop students' awareness of cultural diversity and to encourage pride in their own bilingualism and biculturalism; and 4) to enable students to make as much progress in their academic subjects as English speaking students make by providing them with supplementary materials, instruction, and tutoring in their primary language.

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

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

<b>ESL OR DUAL LANGUAGE ARTS-ELEMENTARY</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ESL LAN E</b>	<b>310050</b>

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in the area of language arts, including the full range of language experiences i.e., oral, listening, reading and writing skills. This course is designed for students whose instructional level is at the elementary level (grades K-8).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GRADES	1803

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<b>ENGLISH AS A SECOND LANGUAGE</b>
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**ESL OR DUAL LANGUAGE ARTS-SECONDARY**

Short Name

Course Code

**ESL LAN S**

**310051**

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in the area of language arts, including the full range of language experiences i.e., oral, listening, reading and writing skills. This course is designed for students whose instructional level is at the secondary level (grades 9-12).

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

Endorsement Name

Endorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803

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**BILINGUAL/ENGLISH AS A DUAL LANGUAGE**

Short Name

Course Code

**ESL DUAL**

**310101**

A special course that makes instructional use of both English and the students' native language to enable the student to develop and attain English proficiency and earn academic content credit.

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

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT	8888
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**ENGLISH AS A SECOND LANGUAGE**

<b>ESL OR DUAL LANGUAGE MATHEMATICS-ELEMENTARY</b>	<u>Short Name</u> <b>ESL MATH E</b>	<u>Course Code</u> <b>310110</b>
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in mathematics. This course is designed for students whose instructional level is at the elementary level (grades K-8).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

<b>ESL OR DUAL LANGUAGE MATHEMATICS-SECONDARY</b>	<u>Short Name</u> <b>ESL MATH S</b>	<u>Course Code</u> <b>310111</b>
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in mathematics for students whose instructional level is grades 9-12.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

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**ENGLISH AS A SECOND LANGUAGE**

<b>ESL OR DUAL LANGUAGE SCIENCE-ELEMENTARY</b>	<u>Short Name</u> <b>ESL SCI E</b>	<u>Course Code</u> <b>310130</b>
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in science for students whose instructional level is at the elementary level (grades K-8).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803

<b>ESL OR DUAL LANGUAGE SCIENCE-SECONDARY</b>	<u>Short Name</u> <b>ESL SCI S</b>	<u>Course Code</u> <b>310131</b>
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in science for students whose instructional level is at the secondary level (grades 9-12).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
NATURAL SCIENCE	1301

<b>ENGLISH AS A SECOND LANGUAGE</b>
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<b>ESL OR DUAL LANGUAGE SOCIAL STUDIES-ELEMENTARY</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ESL SOC E</b>	<b>310150</b>

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in social studies for students whose instructional level is at the elementary level (grades K-8).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803

<b>ESL OR DUAL LANGUAGE SOCIAL STUDIES-SECONDARY</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>ESL SOC S</b>	<b>310151</b>

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in social studies for students whose instructional level is at the secondary level (grades 9-12).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803
SOCIAL SCIENCE	1501

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<b>SUPPLEMENTAL CURRICULUM</b>
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<b>SUPPLEMENTAL READING</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SUPP READ</b>	<b>290101</b>

Similar to Title I Reading (250101) except that the class is locally funded and the class is designed to meet the special needs of educationally disadvantaged children. The children must receive services of the same nature and scope as those provided under Title I.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LEARNING DISABILITIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISABILITIES	1913
READ AND WRITING	0511
READING SPECIALIST	0508

<b>SUPPLEMENTAL MATHEMATICS</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SUPP MATH</b>	<b>290102</b>

Similar to Title I Mathematics (250102) except that the class is locally funded and the class is designed to meet with special needs of educationally disadvantaged children. The children must receive services of the same nature and scope as those provided under Title I.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
LEARNING DISABILITIES	1906
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
MILD/MODERATE DISABILITIES	1913

**SPECIAL EDUCATION**

**SPECIAL EDUCATION ART-K-12 (PAC 1161)**

Short Name

Course Code

**SE ART**

**190215**

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences in the areas of art processes, media and appreciation for students with disabilities. It may include experiences in two or three-dimensional work. This course code is to be used for all art classes modified and designed specifically for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.,

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
ELEMENTARY	1801
GENERAL ART	0201
MIDDLE GR/ART	1811
MIDDLE GRADES	1803

**SPECIAL EDUCATION ART-(PAC 1162)**

Short Name

Course Code

**SEART AL**

**190230**

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of art processes, media and appreciation. It may include experiences in two and three dimensional work. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code,

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
GENERAL ART	0201
MIDDLE GR/ART	1811
MIDDLE GRADES	1803

<b>SPECIAL EDUCATION</b>
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<b>SPECIAL EDUCATION LANGUAGE ARTS -K-12 (PAC1161)</b>	<u>Short Name</u> <b>SE LNG</b>	<u>Course Code</u> <b>190515</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide students with disabilities subject matter and experience in the area of language arts, including the full range of language experiences i.e. reading, writing, speaking and listening skills for students with disabilities. This course code is to be used for all language arts classes modified and designed specifically for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code,

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READING SPECIALIST	0508

<b>SPECIAL EDUCATION LANGUAGE ARTS-(PAC 1162)</b>	<u>Short Name</u> <b>SE LNG AL</b>	<u>Course Code</u> <b>190530</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experience in the area of language arts, including the full range of language experiences i.e. oral, listening, reading and writing skills. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READING SPECIALIST	0508

<b>SPECIAL EDUCATION</b>
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<b>SPECIAL EDUCATION MATHEMATICS-K-12 (PAC 1161)</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SE MATH</b>	<b>191115</b>

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide the skills and understanding associated with number processes and developing mathematical skills for students with disabilities. Students have the opportunity to apply the math concepts to personal finance, business and money management situations. This course is to be used for all math classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

<b>SPECIAL EDUCATION MATHEMATICS - (PAC 1162)</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SE MATH AL</b>	<b>191130</b>

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities the skills and habits associated with understanding number processes and developing basic mathematical skills. Students have the opportunity to apply the math concepts to money management situations. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

<b>SPECIAL EDUCATION</b>
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<b>SPECIAL EDUCATION MUSIC-K-12 (PAC 1161)</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SE MUS</b>	<b>191215</b>

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences in the areas of vocal music, instrumental music, performance and music appreciation for students with disabilities. This course code is to be used for all music classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

<b>SPECIAL EDUCATION MUSIC-(PAC 1162)</b>	<u>Short Name</u>	<u>Course Code</u>
	<b>SE MUS AL</b>	<b>191230</b>

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of vocal music, instrumental music, performance and music appreciation. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
INSTRUMENTAL MUSIC	1202
MIDDLE GRADES	1803
MUSIC	1201
VOCAL MUSIC	1203

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<b>SPECIAL EDUCATION</b>
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<b>SPECIAL EDUCATION SCIENCE-K-12 (PAC 1161)</b>	<u>Short Name</u> <b>SE SCI</b>	<u>Course Code</u> <b>191315</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences in the areas of biology, physical and earth sciences for students with disabilities. This course code is to be used for all science classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
EARTH AND SPACE SCIENCE	1305
ELEMENTARY	1801
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304

<b>SPECIAL EDUCATION SCIENCE-(PAC 1162)</b>	<u>Short Name</u> <b>SE SCI AL</b>	<u>Course Code</u> <b>191330</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of biology, physical and earth sciences. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803

**SPECIAL EDUCATION**

**SPECIAL EDUCATION SOCIAL STUDIES-K-12 (PAC 1161)**

Short Name

Course Code

**SE SOC**

**191515**

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter dealing with the elements and structures of human society which may include economics, geography, history, citizenship, government and other social studies related disciplines for students with disabilities. This course code is to be used for all social studies classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

**SPECIAL EDUCATION SOCIAL STUDIES-(PAC 1162)**

Short Name

Course Code

**SE SOC AL**

**191530**

\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter dealing with the elements and structures of human society which may include economics, geography, history, citizenship and other social studies related disciplines. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803

<b>COURSE CODES AND CLEARING ENDORSEMENTS</b>	<b>Page 227</b>	<b>Revised Sept 2013</b>
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<b>SPECIAL EDUCATION</b>
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<b>SPECIAL ED FUNCTIONAL SKILLS AND ACTIVITIES (PAC 1162)</b>	<u>Short Name</u> <b>SE FUNCT</b>	<u>Course Code</u> <b>192000</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162\*\*

RESPONSIBLE FOR TEACHING STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN A THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide the opportunity to acquire survival skills and habits necessary in daily living for students with disabilities. This course code is to be used for all functional skill and activity classes modified and designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BEHAVIOR DISORDERED	1905
DEAF OR HARD OF HEARING/SUBJCT	1901
EARLY CHILD UNIFIED	1804
EARLY CHLDHD SPEC ED	1916
LEARNING DISABILITIES	1906
MILD/MODERATE DISABILITIES	1913
PRE-SCHOOL DISABILITIES	1915
SCHOOL TRANSITION SPECIALIST	2502
SPEECH-LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

<b>SPECIAL EDUCATION INDEPENDENT LIVING-K-12 (PAC 1161)</b>	<u>Short Name</u> <b>SE IND LV</b>	<u>Course Code</u> <b>192015</b>
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\*\* NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161\*\*

RESPONSIBLE FOR INSTRUCTION OF ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide the opportunity to acquire effective independent living, self advocacy and survival skills with a focus on interconnection of family, career and community for students with disabilities. This course code is to be used for all independent living classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BEHAVIOR DISORDERED	1905
DEAF OR HARD OF HEARING/SUBJCT	1901
EARLY CHILD UNIFIED	1804
EARLY CHLDHD SPEC ED	1916
LEARNING DISABILITIES	1906
MILD/MODERATE DISABILITIES	1913
PRE-SCHOOL DISABILITIES	1915
SCHOOL TRANSITION SPECIALIST	2502
SPEECH-LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

**SPECIAL EDUCATION**

**PHYSICAL EDUCATION, ADAPTIVE**

Short Name

Course Code

**ADAPTPE**

**193000**

A diversified program of developmental activities, games, sports, and rhythms suited to the interest, capacities and limitations of students who may not safely or successfully engage in unrestricted participation in the activities of the general physical education program.

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

Endorsement Name

Endorsement Number

ADAPTED PHYS ED

0805

**SPECIAL EDUCATION IN-HOME SETTING**

Short Name

Course Code

**HBSPED**

**194000**

Responsible for teaching/coaching parents and families of young children with disabilities birth to kindergarten eligible entrance age in the child's home.

A course designed to provide the opportunity for young children and their families to acquire knowledge and skills to support the child's activities in home and community settings. See course code 180005 for Non-Sped Home-based Program if course is for non-special ed.

GRADES PRE-K

See endorsements below, if staff reported are Primary Service Providers (selected from the IEP or IFSP team), any additional special education endorsements or licensure will clear this course. If the staff has an Early Childhood (1802) endorsement, they must also have a special education endorsement.

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

Endorsement Name

Endorsement Number

EARLY CHILD UNIFIED

1804

EARLY CHLDHD SPEC ED

1916

PRE-SCHOOL DISABILITIES

1915

PRE-SCHOOL HDCP

1900

<b>SPECIAL EDUCATION</b>
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<b>SPECIAL EDUCATION STUDY SKILLS</b>	<u>Short Name</u>	<u>Course Code</u>
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THIS COURSE OFFERING FOR STUDENTS WITH DISABILITIES,

USE COURSE CODE 260300 (STUDY SKILLS) FOUND ON PAGE 130 OF "COURSE CODES AND CLEARING ENDORSEMENTS" UNDER PERSONAL DEVELOPMENT.

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

Endorsement Name

Endorsement Number

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**SELF-CONTAINED CLASSROOM**

**SELF-CONTAINED CLASSROOM**

Short Name

Course Code

**SELF-C**

**180000**

A group of students under the primary direction of one teacher for a majority of the school day and for a majority of the subject-matter areas of the curriculum.

This code may be used at grade levels PK-8 only.

GRADES PRE-K-8

Early Childhood Education (Pre-3)

Elementary (K-8)

Middle Grades (4-9)

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
ELEMENTARY	1801
MIDDLE GRADES	1803
PRE-SCHOOL DISABILITIES	1915

**HOME-BASED PROGRAM (NON SPED)**

Short Name

Course Code

**HBNSPED**

**180005**

Type of early childhood program that specifically provides home visiting services to children birth to kindergarten eligible entrance age. These services are primarily delivered in the home of the family.

A course designed to provide the opportunity for young children and their families to acquire knowledge and skills to support the child's development and active participation in the family's everyday routines and activities in home and community settings. See course code 194000 for Special Education In Home setting.

GRADES PRE-K

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD UNIFIED	1804
EARLY CHILDHOOD EDUC	1802
EARLY CHLDHD SPEC ED	1916
PRE-SCHOOL DISABILITIES	1915

**Course Codes and Clearing Endorsements - Change Summary****Version 4.1.1****September 25, 2013**

Updated Science endorsement 1310. It was displaying number but not name. Pages 119-129.

**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

# COURSE CODES AND CLEARING ENDORSEMENTS

Revised  
September  
2013

## 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:**

038500 Advanced Placement Macroeconomics      1501      Social Science

038501 Advanced Placement Microeconomics      1501      Social Science

# COURSE CODES AND CLEARING ENDORSEMENTS

Revised  
September  
2013

<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)

## COURSE CODES AND CLEARING ENDORSEMENTS

Revised  
September  
2013

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 – 6<sup>th</sup> Grade

100707 - Exploring Skilled and Technical Science – 7<sup>th</sup> Grade

100708 - Exploring Skilled and Technical Science – 8<sup>th</sup> 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

## COURSE CODES AND CLEARING ENDORSEMENTS

Revised  
September  
2013

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