

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

2011-2012

**Version 3.0
August 17, 2011**

**Nebraska Department of Education
Data Services**

GENERAL INFORMATION

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

Certificate/Endorsement Level

LEVEL	Appropriate for the following grades
00	Pre School
01	Pre Primary – 3 all schools
02	K-6
03	K-8
04	7-9
05	K-9
06	7-12
07	K-12
08	9-12
09	4-9
10	B-12
11	B-K
12	B-3
13	PK-6
14	PK-8
15	PK-12
16	10-12
17	6-12

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

The following items describe special cases or circumstances.

Middle Grades:

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

- 4) Teachers holding an elementary endorsement may teach in grades seven and eight if they acquire six credit hours per year towards the “Middle Grades” endorsement or if they participate in staff development in accordance with a local mission or plan for education of middle grade students.
- 5) Teachers holding a content area endorsement at the secondary level may teach grade six in that content area if they acquire six credit hours per year toward the elementary or middle grades endorsement or participate in staff development in accordance with a local mission and plan for education of middle grade students.
- 6) When grade nine is designated as a middle grade, an appropriate secondary endorsement or a middle grades endorsement covers a ninth-grade teaching assignment.
- 7) Secondary teachers may be assigned to integrated courses or curriculum in grades seven through nine if they hold an endorsement for any of the subjects or fields included in the course. See 10.007.02A2A
- 8) Teachers not holding an appropriate endorsement may be assigned to the middle grades if they acquire six credit hours per year towards a middle grades endorsement.

Secondary Grades:

- 9) In secondary grades, teachers holding a subject endorsement are considered appropriately endorsed for any other subject within the appropriate broad field if they annually acquire, prior to the opening of school, six credit hours toward the subject endorsement or the broad field endorsement.
- 10) In secondary grades, teachers assigned to integrated courses or curriculum are considered appropriately endorsed if they hold an endorsement for any of the subjects or fields included in the course.
- 11) Course descriptions in this manual shown for grades 10, 11, and 12 are intended to describe higher level courses. If, however, the course is taught at a 9th grade level, the appropriate middle grades endorsement will cover the assignment.

Elementary Grades:

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

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The following courses do NOT apply in meeting
92 NAC 10-004.04A
(high school instructional program).

However, with the exception of Special Education, the following courses are included in the calculation of properly endorsed instructional units/FTEs in accordance with 92 NAC 10-007.01A and 10-007.02A and 10-007.03A

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APPENDIX A – Change Summary..... 184

AGRICULTURE, FOOD AND NATURAL RESOURCES**INTRODUCTION TO AG, FOOD & NATURAL RESOURCES**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
0100**ANIMAL BIOLOGY**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
0100**LARGE ANIMAL MANAGEMENT**Short NameCourse Code**LG ANI MGMT****011005**

This course includes advanced scientific principles and communication skills that build on the knowledge and skills learned in Animal Science. 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**COMPANION ANIMALS****Short Name
COM ANIMAL****Course Code
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100

PLANT SCIENCE**Short Name
PLANT SCI****Course Code
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100

AGROMONIC SCIENCE**Short Name
AGRO SCI****Course Code
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
0100

ECONOMICS & AGRIBUSINESS MGTShort NameCourse Code**ECON AG MGT****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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
0100

AGRICULTURAL SALES & ENTREPRENEURSHIPShort 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberAG, FOOD & NATURAL RESOURCES
AGRICULTURE2901
0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**HORTICULTURE**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
 AGRICULTURE
 HORT EDUC

2901
 0100
 0905

NURSERY AND LANDSCAPEShort NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
 AGRICULTURE
 HORT EDUC

2901
 0100
 0905

FLORICULTUREShort NameCourse 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.

Target Level: Grades 10-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
 AGRICULTURE
 HORT EDUC

2901
 0100
 0905

AGRICULTURE, FOOD AND NATURAL RESOURCES

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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100
HORT EDUC	0905

BIOTECHNOLOGY

Short Name

Course Code

BIOTECH

012004

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

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

Endorsement Name

Endorsement Number

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
0100

ADVANCED NATURAL RESOURCES

Short Name

Course Code

ADV NAT RES

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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

Endorsement Name

Endorsement Number

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources Systems

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

Endorsement Name

Endorsement Number

AG, FOOD & NATURAL RESOURCES
AGRICULTURE
FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSMR SCIENCE

2901
0100
0902
0903

AGRICULTURE, FOOD AND NATURAL RESOURCES**ADVANCED FOOD SCIENCE**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
AGRICULTURE
FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSMR SCIENCE

2901
0100
0902
0903

**POWER, STRUCTURAL, AND TECHNICAL SYSTEMS
FUNDAMENTALS**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
AGRICULTURE

2901
0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**STRUCTURAL SYSTEMS**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701

POWER AND TECHNOLOGYShort NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	1700
AG, FOOD & NATURAL RESOURCES	2901
AG, FOOD & NATURAL RESOURCES	1000
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**METALS AND FABRICATION**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
 AGRICULTURE
 INDUSTRIAL TECH
 SKILLED & TECHNICAL SCIENCE ED
 T & I METALS

2901
 0100
 1000
 1700
 1704

LEADERSHIPShort NameCourse 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.

Target Level: Grades 11-12

Career Cluster: Agriculture, Food and Natural Resources Systems

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

AG, FOOD & NATURAL RESOURCES
 AGRICULTURE

2901
 0100

CAREERS AND LITERACY OF AGRICULTUREShort NameCourse Code**AG CAR LIT****018002**

Agricultural knowledge enrichment and career exploration instruction is provided. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

Target Level: Middle/Junior High

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

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

AGRICULTURE
 MIDDLE GR/AG EDUCATION

0100
 1810

COURSE CODES AND CLEARING ENDORSEMENTS	Page 24	Revised Aug 2011
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AGRICULTURE, FOOD AND NATURAL RESOURCES
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ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	<u>Short Name</u>	<u>Course Code</u>
	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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER	<u>Short Name</u>	<u>Course Code</u>
	AGRI OTHER	019930 - 019934

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture.

Career Cluster: Agriculture, Food and Natural Resources Systems

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AG, FOOD & NATURAL RESOURCES	2901
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

BUSINESS, MARKETING AND MANAGEMENT**ACCOUNTING**Short Name**ACCT**Course Code**030300**

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic financial 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.

Target Level: Grades 10-12

Career Cluster: Finance

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

ACCOUNTING, ADVANCEDShort Name**ACCT AD**Course Code**030301**

This course includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems and further enhancement of accounting skills. Students are exposed to various careers in the accounting field and are given the opportunity to perform accounting applications using the computer.

Target Level: Grades 11-12

Career Cluster: Finance

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE PRINCIPLES OF ACCOUNTING**Short NameCourse Code**PRIN ACCT****030302**

This college-level course is designed to provide introductory knowledge of financial 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, journals, ledgers, accruals, adjusting and closing entries, internal controls, 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.

Target Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberBUSINESS EDUCATION
BUSINESS, MARKETING, INFO TECH
MARKETING0302
0304
0400**BUSINESS MATH**Short NameCourse Code**BUSNS MATH****030500**

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

Target Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:Endorsement NameEndorsement NumberBASIC BUSINESS
BUSINESS EDUCATION
BUSINESS, MARKETING, INFO TECH
MARKETING
MATHEMATICS
MIDDLE GR/BUSINES ED
MIDDLE GR/MATHEMATICS0301
0302
0304
0400
1100
1812
1818

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS COMMUNICATION****Short Name
BUSNS COMM****Course Code
030600**

Students will reinforce communication skills needed in business, management and administrative occupations by using reading strategies to learn meaning, technical concepts, vocabulary and following directions. Students will compose and compare written and electronic communications to convey technical concepts and company information, develop and deliver formal and informal presentations related to a broad range of business topics, apply active listening skills to obtain and clarify information, and exhibit people skills to deal positively with a variety of personalities and diverse individuals. Students will interpret and use tables, charts, and figures to support written and oral communication, and locate, organize, and reference written information from various sources to communicate with coworkers and clients/participants.

Target Level: Grades 9-12

Career Cluster: Business Management and Administration

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

APPLIED COMMUNICATION**Short Name
APPL COMM****Course Code
030601**

Students will reinforce communication skills needed in business, management and administrative occupations by using reading strategies to learn meaning, technical concepts, vocabulary and following directions. Students will compose and compare written and electronic communications to convey technical concepts and company information, develop and deliver formal and informal presentations related to a broad range of business topics, apply active listening skills to obtain and clarify information, and exhibit people skills to deal positively with a variety of personalities and diverse individuals. Students will interpret and use tables, charts, and figures to support written and oral communication, and locate, organize, and reference written information from various sources to communicate with coworkers and clients/participants.

Target Level: Grades 9-12

Career Cluster: Arts, A/V and Communication

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH	0501
LANGUAGE ARTS	0502
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**INTRODUCTION TO RISK MANAGEMENT AND INSURANCE**Short NameCourse Code**INTRO RISK****030801**

This course is designed as an introduction to the basic principles and terminology of insurance. The course includes key definitions, organizational, and regulatory views of the insurance industry; the purpose and features of homeowners, automobile, commercial property, workers' compensation and casualty insurance policies; financial and professional liability coverages; the value of loss control and claims management to managing insurance costs; life and health insurance fundamentals; and the role of government in providing insurance such as Social Security.

Target Level: Grades 10-12

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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

SECURITIES AND INSURANCEShort NameCourse Code**SEC/INS****030802**

This is a one-semester course that provides an in-depth look at two sectors of the financial services industry from the perspectives of the consumer and the industry specialist. Students will analyze the front and back office operations in both the securities and insurance sectors, examine career paths in both areas, and gain insight into the current issues faced by the industry. An emphasis is placed on examining the impact of technology on these finance sectors and on evaluating career paths available in each area.

Target Level: Grades 10-12

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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**BANKING AND CREDIT**Short NameCourse Code**BANKING****030803**

This course presents a survey of the principles and practices of banking and credit in the United States. The students learn the major functions of banks and other depository institutions, their in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. The credit component provides an overview of credit functions and operations including credit risk evaluation, loan creations, and debt collection.

Target Level: Grades 9-12

Career Cluster: Finance

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

BASIC BUSINESS

0301

BUSINESS EDUCATION

0302

BUSINESS, MARKETING, INFO TECH

0304

MARKETING

0400

BUSINESS LAWShort NameCourse Code**BUSNS LAW****030900**

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

Target Level: Grades 10-12

Career Cluster: Business Management and Administration

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

BASIC BUSINESS

0301

BUSINESS EDUCATION

0302

BUSINESS, MARKETING, INFO TECH

0304

MARKETING

0400

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS ECONOMICS	<u>Short Name</u> BUSNS ECON	<u>Course Code</u> 031800
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A course designed to help students understand economic principles as applied to current events and issues. Emphasis includes economic systems and structures, supply and demand, opportunity costs, inflation, price mechanisms, markets, role of competition, money and monetary policy, role of labor organizations and productivity.

Target Level: Grades 9-12

Career Cluster: Business Management and Administration

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
MARKETING	0400
SOCIAL SCIENCE	1501

E-BUSINESS	<u>Short Name</u> E-BUSN	<u>Course Code</u> 031805
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This course is designed for those entrepreneurial students who are interested in learning how to develop their own product or service into an Internet-based business through the creation of a business plan and website. Students will study the responsibilities of an employee and/or employer in today's business environment and will apply business ethics, regulations, and safe guards to protect the business.

Target Level: Grades 10-12

Career Cluster: Marketing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**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. The course introduces students to finance, marketing, and management. Units of study include scope and function of business and economic systems, forms of business ownership, legal and ethical issues in business and career opportunities in a business administration career.

Target Level: Grades 9-10

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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

COLLEGE INTRODUCTION TO BUSINESSShort NameCourse Code**COLINT BSN****032400**

This college-level course provides a survey of the structure and function of business. Included in the course is an overview of business organization, economics, management, marketing, and finance. This course may be available for articulated or dual credit at a postsecondary institution.

Target 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>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

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

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 student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy. Instructional strategies may include the development of a business plan, operation of a school-based business, or actual creation of a student-run business. Course content should be based on the content standards for entrepreneurship. This course may be available for articulated or dual credit at the postsecondary institutions.

Target 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>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**MANAGEMENT AND LEADERSHIP**Short NameCourse Code**MGT/LEAD****032802**

A business course designed to provide basic theory of business organization and management. The course gives a general overview of national and international business and the social and economic environments of business. It emphasizes the basic concepts of management and leadership within the business organization, characteristics, organization, and operation of business as a major sector of the economy. Students will investigate management issues involved in planning, organizing, controlling, and leading an organization.

Target Level: Grades 10-12

Career Cluster: Business Management and Administration

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

PERSONAL FINANCEShort NameCourse Code**PERSON FIN****033000**

A course designed to assist students in personal financial management skills. Students learn to manage their resources and make sound personal financial decisions. Units of study include budgeting, credit, insurance, saving, investing, home ownership, banking, taxes, wills, and estates.

Target Level: Grades 9-12

Career Cluster: Finance

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS FINANCE

Short Name

Course Code

BUSN FIN

033001

This course introduces principles of business and management. Topics include basic business principles, personal finance, management, systems thinking, and the current environment for business in a multinational marketplace. Students will interpret data to develop short and long term budgetary plans, produce accurate financial reports, and make business decisions. Students will develop product knowledge related to financial and investment planning and insurance and annuity products. Students will develop a financial plan that includes savings, investing, borrowing, risk management, and retirement.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

COLLEGE PERSONAL FINANCIAL MANAGEMENT

Short Name

Course Code

COLFIN MGT

033002

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

Target Level: Grades 11-12

Career Cluster: Finance

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**COMPUTER APPLICATIONS**Short NameCourse Code**COMP APP****033422**

A course designed for students to improve touch method keyboarding skills and to develop handwriting recognition and speech recognition skills. Instruction emphasizes improved techniques for increased speed and accuracy and composition at the keyboard. Students will be introduced to word processing, electronic presentation, and spreadsheet applications.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MARKETING	0400
MIDDLE GR/BUSINESS ED	1812
OTHER ENDORSEMENT	8888

KEYBOARDING APPLICATIONSShort NameCourse Code**KEYBD APP****033501**

A course designed for students to learn touch 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 (personal letters, reports, tables). Other forms of input technology (speech recognition, wireless devices, voice-activated and handwriting tablet applications) may be introduced.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701
MARKETING	0400
MIDDLE GR/BUSINESS ED	1812

BUSINESS, MARKETING AND MANAGEMENT**INTERNATIONAL BUSINESS**Short NameCourse Code**INTL BUSNS****034100**

A specialized course where students learn how businesses meet the challenges of culture, political and business differences. Trade barriers, letters of credit, importing, exporting, international economies, financing, social/cultural differences, and career opportunities will be explored.

Target Level: Grades 10-12

Career Cluster: Business Management and Administration

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

MARKETINGShort NameCourse Code**MARKET****038100**

A course of study that provides a sound foundation in the principles of economics and the fundamentals of marketing. The curriculum provides the foundational skills and knowledge in economics, communication skills/interpersonal skills, professional development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

Target Level: Grades 10-12

Career Cluster: Marketing

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

BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT

ADVANCED MARKETING

Short Name

Course Code

MARKET AD

038101

This course focuses on the in-depth study of the marketing functions in actual business/economic situations. Emphasis is placed on the application of economics, mathematics, technology, decision making/critical thinking, and management techniques. This course advances the skills and knowledge students acquired in Marketing. Marketing internships may be used to reinforce and advance classroom content.

Target Level: Grades 10-12

Career Cluster: Marketing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

FASHION MARKETING

Short Name

Course Code

FASH MKTG

038200

A course that provides the foundation in preparing students for a wide range of careers available throughout the fashion industry. Special emphasis is given to the study of fashion designers, manufacturing, wholesaling, promotion, and retailing of fashion items.

Target Level: Grades 10-12

Career Cluster: Marketing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

SPORTS AND ENTERTAINMENT MARKETING

Short Name

Course Code

SPORT MKTG

038400

This course provides students with the marketing and management concepts, principles, and practices used in the marketing and management of entertainment venues, visual and performing art venues, sports teams, and arenas.

Target Level: Grades 10-12

Career Cluster: Marketing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
MARKETING	0400

BUSINESS, MARKETING AND MANAGEMENT**ADVANCED PLACEMENT MACROECONOMICS**Short NameCourse Code**AP MACECON****038500**

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 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.

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

BASIC BUSINESS

1301

BUSINESS ED

0302

BUSINESS, MARKETING, INFO TECH

0304

ECONOMICS

1503

ADVANCED PLACEMENT MICROECONOMICSShort NameCourse Code**AP MICECON****038501**

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 economy.

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.

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

BASIC BUSINESS

0301

BUSINESS ED

0302

BUSINESS, MARKETING, INFO TECH

0304

ECONOMICS

1503

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS, MARKETING, AND MANAGEMENT, OTHER**Short NameCourse Code**BUSNS OTH****039930 - 039934**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses.

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 EDUCATION

0302

BUSINESS, MARKETING, INFO TECH

0304

MARKETING

0400

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY**LEARNING, EARNING AND LIVING SKILLS**Short NameCourse Code**LEARN EARN****320100**

Course to teach essential learning of the Nebraska Comprehensive Counseling Program including: Learning Skills (Academic Development), Earning Skills (Career Development) and Living Skills (Personal/Social Development). Students will explore 21st Century learning strategies for academic settings, plan and apply education to the Nebraska Career Education Model of Career Cluster opportunities and to gain knowledge and skills for effective living/citizenship. This course includes learning experiences to prepare for successful, seamless transition to postsecondary options. Students may create/update their Personal Learning Plan.

Target Level: Middle/Junior High

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

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

OTHER ENDORSEMENT

8888

HS LEARNING, EARNING AND LIVING SKILLSShort NameCourse Code**HSLRNEARN****320101**

Course to teach knowledge and skills of the Nebraska Comprehensive Counseling Program including: Learning Skills (Academic Development), Earning Skills (Career Development) and Living Skills (Personal/Social Development). Students will apply 21st Century learning strategies in the academic setting, plan and apply education to the Nebraska Career Education Model of Career Cluster opportunities and to gain knowledge and skills for effective living/citizenship. This course includes planning and application of the career development process for successful, seamless transition to postsecondary options. Students will implement their own Personal Learning Plan.

Target Level: High School

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

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

OTHER ENDORSEMENT

8888

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

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.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903
INDUSTRIAL TECH	1000
MARKETING	0400
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL GUIDANCE COUN	2501

EXPLORATION OF ENTREPRENEURSHIP

Short Name

Course Code

EXP ENTREP

320500

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

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903
MARKETING	0400
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

ENTREPRENEURSHIP

Short Name

Course Code

ENTREP

320600

A course for students with a career interest in entrepreneurship. Emphasis is placed on identifying and understanding the skills needed to plan, organize, finance, and operate an entrepreneurial enterprise. These skills include entrepreneurial skills, readiness skills, and business functions. Instructional strategies may include the development of a business plan, operation of a school-based business, or actual creation of a student-run business. Course content should be based on the content standards for entrepreneurship.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903
MARKETING	0400

**COOPERATIVE ED/DIVERSIFIED OCCUPATIONS WORK-BASED
LEARNING**

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.

Target 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
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COOP ED DIV OCC	1605
DIV OCC/SHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
FAMILY/CONSUMER SCI RELAT OCC	0902
HEALTH OCCUPATIONS	0700
MARKETING	0400
SKILLED & TECHNICAL SCIENCE ED	1700
T & I AUTO MECHANICS	1702
T & I CONSTRUCTION	1701
T & I DRAFTING	1705
T & I ELEC-ELECTRON	1703
T & I GRAPHIC ARTS	1706
T & I METALS	1704

CAREER EDUCATION FOUNDATIONAL AND SPECIALITY

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY, OTHER

Short Name

Course Code

CEFS OTHER 329930 - 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.

Target Level: Grades 7-12

Career Cluster Level: 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MARKETING	0400
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL GUIDANCE COUN	2501

COMMUNICATION AND INFORMATION SYSTEMS**AUDIO/VIDEO PRODUCTION**Short NameCourse Code**AUD/VIDEO****270200**

Students will explore career opportunities in the audio-video industries. Students will demonstrate use of audio-video production equipment including microphones, lighting requirements and camera operations. Students will demonstrate script writing and computer-based development of audio-video production and editing.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
JOURNALISM	0503
JOURNALISM AND MASS COMM	0510
T & I GRAPHIC ARTS	1706

DIGITAL PHOTOGRAPHYShort NameCourse Code**DIG PHOTO****270210**

Students will learn photographic principles and techniques common to both digital and traditional photography with a career emphasis. Students will learn about features common on digital cameras and artistic considerations. Students will use image editing software to learn principles of altering images for both image improvement and artistic considerations, as well as for use in visual communications.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
JOURNALISM	0503
JOURNALISM AND MASS COMM	0510
T & I GRAPHIC ARTS	1706

COMMUNICATION AND INFORMATION SYSTEMS**PUBLICATION JOURNALISM**Short NameCourse Code**PUB JOURN****270220**

Students will explore career opportunities in journalism including media companies, radio and television stations, newspapers and news magazines, and other news outlets. Students will study the history of journalism and its role in society and develop an awareness of cultural, regional, and diversity issues. Specific content will include writing processes used for various journalism media, including how to obtain information for writing the story, developing the story for print, on-line and broadcast, learning how photographs support the story, and application of knowledge of the similarities and differences in editorial, feature, and news writing styles.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

JOURNALISM
JOURNALISM AND MASS COMM
LANGUAGE ARTS

0503
0510
0502

BROADCASTINGShort NameCourse Code**BROADCAST****270230**

Students will explore careers in the fields of radio and television. Students will develop and emphasize writing skills, define terminology associated with television broadcasting, learn digital video and audio editing, and use studio recording equipment. Students will develop a television project, a radio project, and an on-line project.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

JOURNALISM
JOURNALISM AND MASS COMM
LANGUAGE ARTS

0503
0510
0502

COMMUNICATION AND INFORMATION SYSTEMS

DESKTOP PUBLISHING

Short Name

Course Code

DSK PUB

270240

Students will develop skill in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, layout, edit/revise, and print publications including electronically produced newsletters, flyers, brochures, reports, advertising materials and other publications. Students will demonstrate document composition and communication competencies.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
JOURNALISM	0503
JOURNALISM AND MASS COMM	0510
T & I GRAPHIC ARTS	1706

PRINTING TECHNOLOGY

Short Name

Course Code

PRINT TECH

270250

Students will develop knowledge of the processes required for the production of various printed products including paper, non-paper, and specialty products. Students will study copy layouts, composition, desktop publishing, photography, bindery work, job planning, and reproduction.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
JOURNALISM	0503
JOURNALISM AND MASS COMM	0510
SKILLED & TECHNICAL SCIENCE ED	1700
T & I GRAPHIC ARTS	1706

COMMUNICATION AND INFORMATION SYSTEMS
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PROGRAMMING I

Short Name

Course Code

PROG I

270401

A course designed to teach problem-solving skills through the use of languages such as Visual Basic, and C++. The following structured programming concepts might be included: top-down design, output design, hierarchy chart, program design, coding and testing, flow charting, editing and debugging.

Target 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>
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100
OTHER ENDORSEMENT	8888

PROGRAMMING II

Short Name

Course Code

PROG II

270402

Students will demonstrate the program development process through the introduction and use of languages such as C++, Visual Basic, Java, SQL, RPG, COBOL, and Assembler.

Target 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>
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100
OTHER ENDORSEMENT	8888

COMMUNICATION AND INFORMATION SYSTEMS**PROGRAMMING III**Short NameCourse Code**PROG III****270403**

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

Target Level: Grades 11-12

Career Cluster: Information Technology

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

INFORMATION TECHNOLOGY APPLICATIONS IShort NameCourse Code**ITECH I****270501**

Students will demonstrate basic skills in the areas of word processing, spreadsheet applications, database applications, electronic presentation, Internet use, security issues, and electronic communication. Students manage computer operations and file storage, identify ethical issues pertaining to information systems, and learn about information technology careers.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MARKETING	0400
OTHER ENDORSEMENT	8888

COMMUNICATION AND INFORMATION SYSTEMS**INFORMATION TECHNOLOGY APPLICATIONS II**Short Name**ITECH II**Course Code**270502**

Students will develop skills in advanced word processing and spreadsheet applications as well as integrating applications using word processing, spreadsheet, database and electronic presentation software. Students will develop skills in desktop publishing, including page layout and formatting, and web page development by creating and editing web pages. Students will demonstrate knowledge of advanced operating systems principles, basic computer troubleshooting, Internet security issues, ethical issues pertaining to information systems, and virus protection.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
OTHER ENDORSEMENT	8888

INFORMATION TECHNOLOGY APPLICATIONS IIIShort Name**ITECH III**Course Code**270503**

Students will work with a variety of software to develop items, such as desktop-published documents, digital media, podcasts, and E-portfolios. Students will develop skills in storyboarding, digital video capturing and editing, beginning animation, photo editing and web design. A project-based approach is used through the integration of a variety of digital media.

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS**INFORMATION TECHNOLOGY FUNDAMENTALS**Short NameCourse Code**ITECH FUND****270504**

Students are introduced to information technology and voice, video, and data communications and will demonstrate knowledge and problem-solving skills in the area of operating systems and computer hardware and understand information technology's ethical issues. Units would include, but not be limited to storage and drives, system boards, processors, memory and peripherals. Students may have the opportunity to build a computer, install the operating systems, and add peripherals. Help-desk skills may be included in the course.

Target 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

0304

COMPUTER SCIENCE

2700

INFORMATION TECHNOLOGY

2701

NETWORK SYSTEMSShort NameCourse Code**NET SYS****270601**

Students will demonstrate knowledge of working with voice, video, and data networks, including hubs, switches and routers. Students will develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity and Internet-based communication with strong emphasis on LAN function, design, and installation practices.

Target Level: Grades 10-12

Career Cluster: Information Technology

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

COMPUTER SCIENCE

2700

INFORMATION TECHNOLOGY

2701

OTHER ENDORSEMENT

8888

COMMUNICATION AND INFORMATION SYSTEMS
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DIGITAL MEDIA

Short Name

Course Code

DIG MEDIA

270602

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

Target 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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
OTHER ENDORSEMENT	8888

GRAPHIC DESIGN

Short Name

Course Code

GRAPH DESN

270603

Students will apply artistic and computer techniques to communicate ideas and information to customer audiences through illustration and other forms of digital or printed media. Students will demonstrate concept design, layout, and color theory.

Target Level: Grades 10-12

Career Cluster: Arts, A/V and Communication

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
INDUSTRIAL TECH	1000
MARKETING	0400
SKILLED & TECHNICAL SCIENCE ED	1700
T & I GRAPHIC ARTS	1706

COMMUNICATION AND INFORMATION SYSTEMS**WEB DESIGN AND DEVELOPMENT**Short NameCourse Code**WEB DESIGN****270604**

Students will demonstrate knowledge of web design and languages, including HTML, and utilize web design software to develop web pages. Students will apply principles and elements of design using images, hyperlinks, tables, forms, and cascading style sheets. Students may also maintain a school web site.

Target Level: Grades 10-12

Career Cluster: Information Technology

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

BUSINESS EDUCATION
BUSINESS, MARKETING, INFO TECH
COMPUTER SCIENCE
INFORMATION TECHNOLOGY

0302
0304
2700
2701

DATABASE DESIGN AND DEVELOPMENTShort NameCourse Code**DB DESIGN****270605**

A course designed to provide an introduction to the concepts of relational databases, the application of databases to business situations, and the management of relational databases and the tools associated with them. Students will utilize basic SQL syntax.

Target Level: Grades 11-12

Career Cluster: Information Technology

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

BUSINESS EDUCATION
BUSINESS, MARKETING, INFO TECH
COMPUTER SCIENCE
INFORMATION TECHNOLOGY

0302
0304
2700
2701

COMMUNICATION & INFORMATION SYSTEMS
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ADVANCED PLACEMENT COMPUTER SCIENCE A	<u>Short Name</u> AP COMSC A	<u>Course Code</u> 270700
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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 should be able to: * design and implement solutions to problems by writing, running, and debugging computer programs. * use and implement commonly used algorithms and data structures. * develop and select appropriate algorithms and data structures to solve problems. * code fluently in an object-oriented paradigm using the programming language Java. Students are expected to be familiar with and be able to use standard Java library classes from the AP Java subject. * read and understand a large program consisting of several classes and interacting objects. Students should be able to read and understand a description of the design and development process leading to such a program. (An example of such a program is the AP Computer Science Case Study.) * recognize the ethical and social implications of computer use. 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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION AND INFORMATION SYSTEMS, OTHER	<u>Short Name</u> COMP OTH	<u>Course Code</u> 279930 - 279934
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Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses.

Target Level: Grades 9-12

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 EDUCATION	0302
BUSINESS, MARKETING, INFO TECH	0304
COMPUTER SCIENCE	2700
INFORMATION TECHNOLOGY	2701
OTHER ENDORSEMENT	8888

DRIVER EDUCATION/SAFETY EDUCATION

DRIVER EDUCATION - BEHIND THE WHEEL

Short Name

Course Code

DR ED WHEL

210101

Learning experiences designed to provide students the opportunity to operate an automobile under actual road conditions. This activity is tied directly to classroom study in driver education (210102).

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

Endorsement Name

Endorsement Number

DRIVER EDUCATION

2101

DRIVER EDUCATION - CLASSROOM INSTRUCTION

Short Name

Course Code

DR ED CLAS

210102

Classroom study designed to assist students in becoming knowledgeable traffic citizens and in learning to operate automobiles.

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

INTRODUCTION TO EDUCATION

Short Name

Course Code

INTRO ED

350001

This course is designed to help students explore professional or learning support positions in education and training. The course will provide an overview of ethics and professionalism, pre-service preparation, societal influences, classroom practices, and the governance structure. Field experience will be required.

Target 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

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.

Target 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 ENDORSEMENTS

8888

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.

Target 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

FAMILY/CONSUMER SCI RELATED PCC

0902

EDUCATION AND TRAINING**EARLY CHILDHOOD EDUCATION II**Short NameCourse 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.

Target Level: Grades 10-12

Career Cluster: Education and Training

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

FAMILY/CONSUMER SCIENCE

0903

FAMILY/CONSUMER SCI RELATED PCC

0902

EDUCATION AND TRAINING, OTHERShort NameCourse Code**EDTR OTHER****359930 - 359934**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses.

Target Level: Grades 9-12

Career Cluster: Education and Training

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

FAMILY/CONSUMER SCIENCE

0903

FAMILY/CONSUMER SCI RELATED PCC

0902

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READING	0505
READING SPECIALIST	0508
READING/WRITING	0511

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505
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

ENGLISH LANGUAGE ARTS

ENGLISH	<u>Short Name</u> ENGLISH	<u>Course Code</u> 050011
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817

ENGLISH I	<u>Short Name</u> ENG I	<u>Course Code</u> 050021
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817

ENGLISH II	<u>Short Name</u> ENG II	<u>Course Code</u> 050022
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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:

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

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ENGLISH LANGUAGE ARTS

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

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 LANGUAGE & COMPOSITION

Short Name

Course Code

AP ENGCOMP

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.

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

Endorsement Name

Endorsement Number

ENGLISH
LANGUAGE ARTS

0501
0502

ENGLISH LANGUAGE ARTS

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION	<u>Short Name</u> AP ENG LIT	<u>Course Code</u> 050051
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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.

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

CREATIVE WRITING/COMPOSITION	<u>Short Name</u> WRITING	<u>Course Code</u> 050100
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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
READING	0505

ENGLISH LANGUAGE ARTS

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>
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505
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 Name

Course 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 Name

Endorsement Number

ENGLISH

0501

LANGUAGE ARTS

0502

MIDDLE GR/LANGUAGE ARTS

1817

BRITISH LITERATURE

Short Name

Course 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 Name

Endorsement Number

ENGLISH

0501

LANGUAGE ARTS

0502

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:

Endorsement Name

Endorsement Number

ENGLISH

0501

LANGUAGE ARTS

0502

MIDDLE GR/LANGUAGE ARTS

1817

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ENGLISH LANGUAGE ARTS

ADVANCED PLACEMENT SPANISH LITERATURE	<u>Short Name</u>	<u>Course Code</u>
	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.

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

JOURNALISM I	<u>Short Name</u>	<u>Course Code</u>
	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
JOURNALISM	0503
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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ENGLISH LANGUAGE ARTS

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
JOURNALISM	0503
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
JOURN AND MASS COMM	0510
JOURNALISM	0503
LANGUAGE ARTS	0502
SPEECH & THEATRE	0504

ENGLISH LANGUAGE ARTS**SPEECH, BEGINNING**Short NameCourse 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 NameEndorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH & THEATRE	0504

SPEECH, ADVANCEDShort NameCourse 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 NameEndorsement Number

ENGLISH	0501
LANGUAGE ARTS	0502
SPEECH	0506
SPEECH & THEATRE	0504

ENGLISH LANGUAGE ARTS

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
LANGUAGE ARTS	0502
SPEECH	0506
SPEECH & THEATRE	0504

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH & THEATRE	0504

ENGLISH LANGUAGE ARTS

APPLIED COMMUNICATIONS

Short Name
APPLD COMM

Course Code
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 EDUCATION	0302
ENGLISH	0501
GENERAL OFFICE EDUC	0303
LANGUAGE ARTS	0304
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
MARKETING	0400
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505

DRAMA, BEGINNING

Short Name
DRAMA BEG

Course Code
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 & THEATRE	0504
THEATRE	1204

ENGLISH LANGUAGE ARTS

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:

Endorsement Name

Endorsement Number

LANGUAGE ARTS
SPEECH & THEATRE
THEATRE

0502
0504
1204

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:

Endorsement Name

Endorsement Number

ENGLISH
HISTORY
HUMANITIES
LANGUAGE ARTS
LANGUAGE-SOC SCI
MIDDLE GR/LANGUAGE ARTS
MIDDLE GR/SOCIAL SCIENCE
SOCIAL SCIENCE

0501
1505
1207
0502
2301
1817
1820
1501

COURSE CODES AND CLEARING ENDORSEMENTS	Page 68	Revised Aug 2011
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ENGLISH LANGUAGE ARTS

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505
READING SPECIALIST	0508

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505
READING SPECIALIST	0508

ENGLISH LANGUAGE ARTS

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817

LANGUAGE ARTS - MIDDLE GRADES/JUNIOR HIGH II

Short Name

Course Code

LANG MG II

050803

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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817

ENGLISH LANGUAGE ARTS

LANGUAGE ARTS - MIDDLE GRADES/JUNIOR HIGH III	<u>Short Name</u> LANG MGIII	<u>Course Code</u> 050804
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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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817

ENGLISH LANGUAGE ARTS, OTHER	<u>Short Name</u> ENG OTH	<u>Course Code</u> 059930 - 059934
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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
LANGUAGE-SOC SCI	2301
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READING	0505

HEALTH SCIENCE**EXPLORATION OF HEALTH SCIENCES**Short NameCourse 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.

Target 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
HEALTH OCCUPATIONS
SCHOOL NURSE0903
0700
2510**HEALTH SCIENCE I**Short NameCourse Code**HLTHSCI 1****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.

Target 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 SCI RELAT OCC
FAMILY/CONSMR SCIENCE
GENERAL SCIENCE
HEALTH OCCUPATIONS
NATURAL SCIENCE
SCHOOL NURSE1303
0902
0903
1302
0700
1301
2510

HEALTH SCIENCE

HEALTH SCIENCE II

Short Name

Course Code

HLTHSCI 2

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.

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

ADVANCED STUDIES IN HEALTH SCIENCE

Short Name

Course Code

ADVHS

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.

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

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HEALTH SCIENCE

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

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

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..

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

HEALTH SCIENCE

NURSING ASSISTANT

Short Name

Course Code

NURASST

077400

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

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

MEDICATION AIDE

Short Name

Course Code

MEDAIDE

077401

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

Target Level: Grades 11-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

HEALTH SCIENCE**EMERGENCY MEDICAL TECH - BASIC****Short Name
EMT-B****Course Code
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).

Target Level: Grades 11-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

INTRODUCTION TO SPORTS MEDICINE**Short Name
SPORTS MED****Course Code
077500**

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

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

HEALTH SCIENCE**MEDICAL TERMINOLOGY**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Health Science

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

BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

CLINICAL NUTRITIONShort NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Health Science

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

FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

HEALTH SCIENCE

HEALTH INFORMATION TECHNOLOGY

Short Name
HIT

Course Code
077800

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

Target Level: Grades 11-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

HEALTH SCIENCES - OTHER

Short Name
HS OTHER

Course Code
077930 - 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

Target Level: Grades 9-12

Career Cluster: Health Science

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
GENERAL SCIENCE	1302
HEALTH OCCUPATIONS	0700
NATURAL SCIENCE	1301
SCHOOL NURSE	2510

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM

Short Name

Course Code

HOSP TOUR

370010

This course provides instruction in skills and knowledge within the context of the fields of hospitality management and tourism ventures such as convention bureaus, destination markets, and travel agencies. In-depth instruction and practical experience in marketing and management concepts, principles, and practices related to the hospitality and tourism industries are fundamental components of this course.

Target 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 EDUCATION

0302

BUSINESS, MARKETING, INFO TECH

0304

MARKETING

0400

FOOD SERVICE MANAGEMENT I

Short Name

Course Code

FOOD SVS I

370015

Preparation for employment in commercial, institutional or other food industry service and management careers. Included may be a study of the nutritive value of foods, quantity food preparation, safety and sanitary, and customer relations.

Target Level: Grades 10-12

Career Cluster: Hospitality and Tourism

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

Endorsement Name

Endorsement Number

FAMILY/CNSMR SCI RELAT OCC

0902

FAMILY/CONSMR SCIENCE

0903

FOOD SERVICE MANAGEMENT II

Short Name

Course Code

FOOD SVSII

370020

A continuation of quantity food preparation, nutrition and safety with emphasis on purchasing and inventory control, controlling foodservice costs, menu planning, marketing and legal issues. It is recommended that students be eligible for ProStart certification by the end of the Food Service Management sequence.

Target Level: Grades 10-12

Career Cluster: Hospitality and Tourism

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

Endorsement Name

Endorsement Number

FAMILY/CNSMR SCI RELAT OCC

0902

FAMILY/CONSMR SCIENCE

0903

HOSPITALITY AND TOURISM**HOSPITALITY AND TOURISM, OTHER**Short NameCourse Code**HOSPT OTH****379930 - 379934**

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses.

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

BUSINESS EDUCATION

0302

BUSINESS, MARKETING, INFO TECH

0304

FAMILY/CNSMR SCI RELAT OCC

0902

FAMILY/CONSMR SCIENCE

0903

MARKETING

0400

HUMAN SERVICES/FCS**EXPLORATORY FAMILY AND CONSUMER SCIENCES**Short NameCourse 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.

Target Level: Middle/Junior High

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

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

FAMLY/CONSMR SCIENCE

0903

MIDDLE GR/FAMILY & CONSUMER

1813

INTRODUCTION TO FAMILY AND CONSUMER SCIENCESShort NameCourse 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.

Target Level: Middle/Junior High

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

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

FAMLY/CONSMR SCIENCE

0903

MIDDLE GR/FAMILY & CONSUMER

1813

COMPREHENSIVE FAMILY AND CONSUMER SCIENCESShort NameCourse Code**COMP FCS****090003**

Study, including content from several of the subject matter areas in Family and Consumer Sciences, emphasizing basic principles and interrelationships among these areas as well as the reasoning processes needed to address concerns of individuals, families, and society. The focus is on making reasoned decisions and taking responsible action related to the work of the family and examining the interconnections of family, career and community.

Target Level: Middle/Junior High

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

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

FAMLY/CONSMR SCIENCE

0903

MIDDLE GR/FAMILY & CONSUMER

1813

HUMAN SERVICES/FCS

INTEGRATED FAMILY AND CONSUMER SCIENCES

Short Name
INTGR FCS

Course Code
090004

An advanced comprehensive study that examines the recurring concerns surrounding families, making reasoned decisions related to those concerns and taking responsible action related to their decisions. Utilizes the context of the family to examine leadership, ethics, productivity, self direction and social responsibility. Also examines the interconnections of family, career and community responsibilities.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

HUMAN DEVELOPMENT

Short Name
HUMAN DEV

Course Code
090102

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.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

CLOTHING AND TEXTILES

Short Name
CLOTH TEXT

Course Code
090103

Instruction which provides students with an understanding of the social, psychological and physiological aspects of clothing and textiles; fabric and apparel design; selection, construction, maintenance and alteration of textile products; and, exposure to careers related to clothing and fashion design/marketing.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS**LIFE AND CAREER ESSENTIALS – FINANCIAL LITERACY**Short NameCourse Code**LCE FIN****090104**

A financial literacy course that provides students with the tools to take charge of their personal financial well-being and to make sound personal financial decisions. Units of study include budgeting, credit, insurance, savings and investments, home ownership, banking and taxes. Life/work literacy concepts such as workplace issues and community resources are examined.

Target Level: Grade 12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMLY/CONSMR SCIENCE

0902
0903

LIFE AND CAREER ESSENTIALS– RELATIONSHIP LITERACYShort NameCourse Code**LCE REL****090105**

Application of critical thinking, decision-making and problem solving skills to issues impacting adult relationships. Includes self-understanding, establishing and maintaining positive relationships in the family and workplace, crisis management and building family strengths. Life/work literacy concepts such as wellness across the lifespan and stress management are examined.

Target Level: Grade 12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMLY/CONSMR SCIENCE

0902
0903

FAMILY RELATIONSHIPSShort NameCourse Code**FAMILY REL****090106**

The study of the family as an institution and the roles and responsibilities of family members. Includes concepts such as communication, establishing and maintaining a couple relationship, exploring strong families, the impact of children in families, parenting responsibilities and conflict management.

Target Level: Grades 10-12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMLY/CONSMR SCIENCE

0902
0903

HUMAN SERVICES/FCS**NUTRITION AND FOOD**Short NameCourse Code**NUTRI FOOD****090107**

Provides students with knowledge and skills about food preparation, with a strong emphasis on nutrition and nutritional analysis, balanced diets, and satisfying special dietary needs. Includes safety and sanitation, proper use of equipment, meal planning and preparation, current food issues, the role of food in the family and global society and the demonstration of teamwork skills.

Target Level: Grades 10-12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSMR SCIENCE

0902
0903

HOUSING AND HOME FURNISHINGSShort NameCourse Code**HOUSING****090109**

Instruction which provides students with an understanding of the physical, psychological and social influences of housing; 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 home furnishings.

Target Level: Grades 10-12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSMR SCIENCE

0902
0903

FAMILY HEALTHShort NameCourse Code**FAM HEALTH****090110**

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).

Target Level: Grades 6-12

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSMR SCIENCE
HEALTH
HEALTH & PHYS EDUC
MIDDLE GR/FAMILY & CONSUMER
MIDDLE GR/HEALTH & PE

0902
0903
0801
2304
1813
1815

HUMAN SERVICES/FCS

APPLIED PSYCHOLOGY

Short Name Course Code
APPL PSYCH **090111**

This course uses the theoretical principles of psychology with the practical application of examples relevant to students. Students will learn how behavior relates to an individual's sense of control and thinking to contribute more positively to society through studying the concepts of: the study of behavior, lifespan (development psychology), personality, behaving with others (social psychology) and physiological aspects of behavior.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903
PSYCHOLOGY	1508
SOCIAL SCIENCE	1501

INTRODUCTION TO HUMAN SERVICES AND RESOURCES

Short Name Course Code
INT HS/RES **090112**

Students will experience how the concepts of communication, ethics, leadership and teamwork relate to the Human Services and Resources Career Field. Students will consider these concepts as applied to their multiple roles of family member, wage earner and citizens. Cluster to be explored in this career field are: (1) Human Services, (2) Government & Public Administration, (3) Law, Public Safety & Security and (4) Education & Training.

Target Level: Grades 9-12

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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

FOOD SCIENCE

Short Name Course Code
FOOD SCI **090113**

Instruction which provides students with an understanding of the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products, constituents of foods, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science applications, and, exposure to careers related to food science.

Target 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/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS

SPORTS NUTRITION

Short Name Course Code
SPORT NUTR **090115**

Addresses the special nutritional needs of athletes and all persons who are physically active. Includes training diets, pre and post competition food intake, nutritional supplements, weight management and eating disorders. Exploration of careers requiring understanding of sports nutrition.

Target 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 SCI RELAT OCC	0902
FAMLY/CONSMR SCIENCE	0903

RELATIONSHIPS

Short Name Course Code
RELATION **090116**

Study concerned with interpersonal relationships among peers, family members and in the workplace. Includes concepts such as communication, establishing and maintaining a positive relationship, conflict management, employability, leadership development and career development. May include the Skills for Adolescence (Quest) curriculum.

Target Level: Middle/Junior High

Career Cluster: Human 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
MIDDLE GR/FAMILY & CONSUMER	1813

CHILD CARE/PARENTING

Short Name Course Code
CHILD CARE **090117**

Study of human development (physical, mental emotional and social) from conception through pre-school. Major emphasis is on parenting theories and practices, providing a safe environment that optimizes development, and recognition of abuse and neglect.

Target 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 SCI RELAT OCC	0902
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS**ELDER CARE****Short Name
ELDER CARE****Course Code
090118**

Study of the biological, physiological, social and psychological needs and concerns of the elderly, and dealing with the aging process, death and dying in a realistic manner. May also offer the opportunity to explore various careers.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

FASHION DESIGN**Short Name
FASHION****Course Code
090206**

Addresses the history of fashion, fabric art and printing, use of creativity to illustrate fashion concepts, and the application of artistic principles and techniques to the design of apparel and accessories. May include computer assisted designing, labor and cost analysis, and appropriate construction techniques. Instruction requires students to demonstrate information and media literacy skills.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

HOME FURNISHINGS PRODUCTION**Short Name
HOME FURN****Course Code
090207**

Students plan, select and construct upholstery, slip covers, draperies and other window treatments, and other home accessories. Includes interior design principles, proper use of equipment, employability skills and exposure to careers related to home furnishings. May be taught from an entrepreneurial perspective.

Target 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 SCI RELAT OCC	0902
FAMILY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS**HUMAN SERVICES/FCS, OTHER**Short NameCourse Code**HSR OTH****099930 - 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.

Using codes 099930 through 099934 means you can add five "other" courses by using one code for each one of the five courses.

Career Cluster: Human Services

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

FAMILY/CONSUMER SCI RELAT OCC
FAMILY/CONSUMER SVS
FAMLY/CONSMR SCIENCE

0902
1208
0903

LAW, PUBLIC SAFETY AND SECURITY**FOUNDATIONS OF LAW, PUBLIC SAFETY, CORRECTIONS &
SECURITY**Short Name
LAWCourse 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.

Target 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 JUSTICEShort Name
INCRIM JSTCourse Code
390015

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

Target 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 AND EMERGENCY SERVICESShort Name
FIRE SERVCourse Code
390020

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

Target 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 Name

Course Code

COURTS

390025

Examines legal aspects of investigative and arrest as well as rule governing the admissibility of evidence in court. It focuses primarily on police and correctional due process, application of the law, and civil liability concerns. Topics include search and seizure, arrest and interrogation, revocation and probation and parole, probable cause and other timely issues.

Target Level: 10-12

Career Cluster: Law, Public Safety and Security

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

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER

Short Name

Course Code

LPSS OTHER

399930 - 399934

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses.

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

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

MATHEMATICS

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

ALGEBRA, BEGINNING

Short Name

Course Code

ALGEBRA BE

110300

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:

Endorsement Name

Endorsement Number

MATHEMATICS
MIDDLE GR/MATHEMATICS

1100
1818

COURSE CODES AND CLEARING ENDORSEMENTS	Page 91	Revised Aug 2011
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MATHEMATICS

ALGEBRA, ADVANCED

<u>Short Name</u>	<u>Course Code</u>
ALGEBRA AD	110306

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

APPLIED MATHEMATICS I

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

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

APPLIED MATHEMATICS II

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

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

COURSE CODES AND CLEARING ENDORSEMENTS	Page 92	Revised Aug 2011
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MATHEMATICS

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.

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

Endorsement Name

Endorsement Number

MATH

1100

COURSE CODES AND CLEARING ENDORSEMENTS	Page 93	Revised Aug 2011
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MATHEMATICS

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.

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

Endorsement Name

Endorsement Number

MATH

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
MIDDLE GR/MATHEMATICS

1100
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

MATHEMATICS**PRE CALCULUS (INTRODUCTION TO ANALYSIS)**Short NameCourse 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 NameEndorsement Number

MATHEMATICS

1100

TRIGONOMETRYShort NameCourse Code

TRIG

111600

The study of trigonometric ratios and circular functions.

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

Endorsement NameEndorsement Number

MATHEMATICS

1100

STATISTICS/PROBABILITYShort NameCourse 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 NameEndorsement Number

MATHEMATICS

1100

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MATHEMATICS

FINITE/DISCRETE MATHEMATICS

Short Name
FINITE

Course Code
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
MATHEMATICS

Endorsement Number
1100

ADVANCED PLACEMENT STATISTICS

Short Name
AP STATS

Course Code
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.

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

Endorsement Name
MATH

Endorsement Number
1100

BUSINESS MATH

Short Name
BUSNS MATH

Course Code
111800

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

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

Endorsement Name

Endorsement Number

BASIC BUSINESS
BUSINESS EDUCATION
BUSINESS, MARKETING & INFO TECH
GENERAL OFFICE EDUC
MARKETING
MATHEMATICS
MIDDLE GR/BUSINESS ED
MIDDLE GR/MATHEMATICS

0301
0302
0304
0303
0400
1100
1812
1818

MATHEMATICS

MATHEMATICS - MIDDLE GRADES/JUNIOR HIGH I	<u>Short Name</u> MATH MG I	<u>Course Code</u> 112800
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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

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

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

MATHEMATICS**MATH, OTHER**Short NameCourse Code**MATH OTH****119930 - 119934**

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 NameEndorsement Number

MATHEMATICS

1100

MIDDLE GR/MATHEMATICS

1818

NATURAL SCIENCES

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
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301

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
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301

PHYSIOLOGY

Short Name

Course Code

PHYSIOLOGY

130210

The branch of biology that relates to the functions of living organisms or any of their parts. 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
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301

NATURAL SCIENCES

PHYSICAL SCIENCE

Short Name

Course 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 Name

Endorsement Number

CHEMISTRY	1307
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

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
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304

NATURAL SCIENCES

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
GENERAL SCIENCE
NATURAL SCIENCE
PHYSICAL SCIENCE

1307
1302
1301
1304

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:

Endorsement Name

Endorsement Number

GENERAL SCIENCE
NATURAL SCIENCE
PHYSICAL SCIENCE
PHYSICS

1302
1301
1304
1308

NATURAL SCIENCES**PRINCIPLES OF TECHNOLOGY I (SCIENCE)**Short NameCourse Code**PRTEC SCI I****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:Endorsement NameEndorsement NumberGENERAL SCIENCE
NATURAL SCIENCE
PHYSICAL SCIENCE
PHYSICS1302
1301
1304
1308**PRINCIPLES OF TECHNOLOGY II (SCIENCE)**Short NameCourse Code**PRTEC SCI II****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 NameEndorsement NumberGENERAL SCIENCE
NATURAL SCIENCE
PHYSICAL SCIENCE
PHYSICS1302
1301
1304
1308

NATURAL SCIENCES**PHYSICS II**Short NameCourse 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 NameEndorsement NumberGENERAL SCIENCE
NATURAL SCIENCE
PHYSICAL SCIENCE
PHYSICS1302
1301
1304
1308**GEOSCIENCE**Short NameCourse 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:Endorsement NameEndorsement NumberEARTH SCIENCE
GENERAL SCIENCE
MIDDLE GR/NATURAL SCIENCES
NATURAL SCIENCE
PHYSICAL SCIENCE1305
1302
1819
1301
1304

COURSE CODES AND CLEARING ENDORSEMENTS	Page 103	Revised Aug 2011
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NATURAL SCIENCES

SCIENCE - MIDDLE GRADES/JUNIOR 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 SCIENCE	1305
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

SCIENCE - MIDDLE GRADES/JUNIOR 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 SCIENCE	1305
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

COURSE CODES AND CLEARING ENDORSEMENTS	Page 104	Revised Aug 2011
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NATURAL SCIENCES

SCIENCE - MIDDLE GRADES/JUNIOR 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 SCIENCE	1305
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

ADVANCED PLACEMENT BIOLOGY

Short Name

Course Code

AP BIOLOGY

135000

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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301

NATURAL SCIENCES

ADVANCED PLACEMENT CHEMISTRY

Short Name

Course Code

AP CHEM

135010

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course should meet the objectives of a good college general chemistry course. Students should attain understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of 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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304

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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GENERAL SCIENCE	1302
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

NATURAL SCIENCES

SCIENCE, OTHER

Short Name

Course Code

SCI OTH

139930 - 139934

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>
AEROSPACE	1306
BIOLOGY	1303
CHEMISTRY	1307
EARTH SCIENCE	1305
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304
PHYSICS	1308

PERSONAL DEVELOPMENT

ADOLESCENT DEVELOPMENT

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

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>
OTHER ENDORSEMENT	8888

STUDY SKILLS

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

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>
OTHER ENDORSEMENT	8888

LIBRARY MEDIA SKILLS

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

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>
LIBRARY MEDIA SPECIALIST	2508
LIBRARY SCIENCE	2505

PERSONAL HEALTH & PHYSICAL FITNESS**HEALTH I**Short NameCourse 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>
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
HEALTH	0801
HEALTH & PHYS EDUC	2304
HOMEMAKING	0901
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

HEALTH IIShort NameCourse 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>
FAMILY/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SCIENCE	0903
HEALTH	0801
HEALTH & PHYS EDUC	2304
HOMEMAKING	0901

PERSONAL HEALTH & PHYSICAL FITNESS

HEALTH, SPECIALIZED

Short Name
HEALTHSPEC

Course Code
080105

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	0801
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815

FAMILY HEALTH

Short Name
FAM HEALTH

Course Code
080106

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/CONSUMER SCI RELAT OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HEALTH	0801
HEALTH & PHYS EDUC	2304
HOMEMAKING	0901
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/HEALTH & PE	1815

PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION

Short Name

Course 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 Name

Endorsement Number

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

2304
1815
0802

PHYSICAL EDUCATION I

Short Name

Course 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 Name

Endorsement Number

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

2304
1815
0802

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

PERSONAL HEALTH & PHYSICAL FITNESS

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

PHYSICAL EDUCATION IV

Short Name

Course Code

PHYS ED IV

080500

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:

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC
PHYSICAL EDUCATION

2304
0802

PHYSICAL EDUCATION, SPECIALIZED

Short Name

Course Code

PHYSEDSPEC

080600

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:

Endorsement Name

Endorsement Number

HEALTH & PHYS EDUC
PHYSICAL EDUCATION

2304
0802

PERSONAL HEALTH & PHYSICAL FITNESS

STRENGTH TRAINING	<u>Short Name</u> STR TRNG	<u>Course Code</u> 080601
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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:

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

PHYSICAL EDUCATION, OTHER	<u>Short Name</u> PHYSED OTH	<u>Course Code</u> 089930 - 089934
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO CONSTRUCTION, DESIGN AND MFG	<u>Short Name</u> INTROCDM	<u>Course Code</u> 100100
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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.

Target Level: Grades 9-12
 Career Cluster: Architecture and Construction and Manufacturing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701
T & I METALS	1704

PRINCIPLES OF CONSTRUCTION TECHNOLOGY	<u>Short Name</u> PRIN CONST	<u>Course Code</u> 100110
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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.

Target Level: Grades 9-12
 Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701

ADVANCED CONSTRUCTION TECHNOLOGY	<u>Short Name</u> ADVCONTECH	<u>Course Code</u> 100120
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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.

Target Level: Grades 11-12
 Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701

SKILLED AND TECHNICAL SCIENCES**THE LANGUAGE OF ARCHITECTURE AND CONSTRUCTION (CADD)**Short NameCourse 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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I CONSTRUCTION

1701

INTRODUCTION TO ARCHITECTURE TECHNOLOGY (CADD)Short NameCourse 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.

Target Level: Grades 10-12

Career Cluster: Architecture and Construction

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

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I DRAFTING

1705

COMPUTER AIDED DRAFTINGShort NameCourse 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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I DRAFTING

1705

SKILLED AND TECHNICAL SCIENCES**ARCHITECTURAL DRAFTING**Short NameCourse Code**ARCHDRAFT****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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I DRAFTING

1705

RESTORATION AND REPAIR OF EXISTING STRUCTURESShort NameCourse 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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I CONSTRUCTION

1701

PRINCIPLES OF ENGINEERINGShort NameCourse Code**PRIN ENGIN****100160**

A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

SKILLED AND TECHNICAL SCIENCES**INTRODUCTION TO ENGINEERING DESIGN**Short NameCourse Code**INENGINEER****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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

CIVIL ENGINEERING AND ARCHITECTUREShort NameCourse Code**CIVIL ENG****100162**

This course utilizes teams of students to collaborate on the development of community-based building projects and conceptual design for project presentations.

Target 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 NameEndorsement Number

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I DRAFTING

1705

ENGINEERING DESIGN AND DEVELOPMENTShort NameCourse Code**ENG DESIGN****100163**

An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem.

Target: 10-12

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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I DRAFTING

1705

SKILLED AND TECHNICAL SCIENCES**AEROSPACE ENGINEERING**Short NameCourse Code**AERO ENG****100164**

Through hands-on engineering projects, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering.

Target 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 NameEndorsement Number

INDUSTRIAL TECH
SKILLED & TECHNICAL SCIENCE ED
T & I DRAFTING

1000
1700
1705

BIOTECHNICAL ENGINEERINGShort NameCourse Code**BIO ENG****100165**

An overview of relevant subjects from the diverse fields of bio-technology, bio-engineering, bio-medical engineering, and bio-molecular engineering enable students to apply and concurrently develop secondary-level knowledge and skills in biology, physics, technology, and mathematics.

Target Level: Grades 11-12

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

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

AGRICULTURE
INDUSTRIAL TECH

0100
1000

ELECTRONICS - COMPREHENSIVEShort NameCourse Code**ELECTRONIC****100401**

Electronics – Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

Target Level: Grades 10-12

Career Cluster: Manufacturing

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

INDUSTRIAL TECH
SKILLED & TECHNICAL SCIENCE ED
T & I ELECTRICITY-ELECTRON

1000
1700
1703

SKILLED AND TECHNICAL SCIENCES

DIGITAL ELECTRONICS

Short Name Course Code
DIG ELECTR **100403**

Students will explore the application of electronic circuits and devices. Students use their knowledge of both computer simulation and breadboards to design, build and test their own circuits. Students will use a mathematical logic approach to simplify complex circuits.

Target Level: Grades 10-12

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

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I ELECTRICITY-ELECTRON	1703

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.

Target Level: Grades 9-12

Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701
T & I ELECTRICITY-ELECTRON	1703

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.

Target Level: Grades 9-12

Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I ELECTRICITY-ELECTRONICS	1703

SKILLED AND TECHNICAL SCIENCES

ENERGY

Short Name

Course Code

ENERGY

100406

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

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

ENERGY GENERATION AND DISTRIBUTION

Short Name

Course Code

ENGENDIST

100407

Introduction course covering the history of electric and fluid power in the U.S. including deregulation, private and public utilities, and methods of commercial power generation including fossil fuels, nuclear power and renewable energy generation. Include overview of electrical transmission and distribution systems. System reliability and governance are covered.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

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.

Target 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

1000

MIDDLE GR/INDUSTRIAL TECH

1816

SKILLED & TECHNICAL SCIENCE ED

1700

SKILLED AND TECHNICAL SCIENCES

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.

Target 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>
INDUSTRIAL TECH	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

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.

Target Level: Grades 9-12

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

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700

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.

Target Level: Grades 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>
INDUSTRIAL TECH	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 7th Grade

Short Name
EXPLSTS7

Course Code
100707

In this course students will explore fundamentals in Skilled and Technical Sciences at the 7th grade level.

Course Standards : (Please list)

- Student will understand and accurately apply measurement.
- Students will know and model safe lab procedures and techniques.
- Students will be introduced to technical communications.
- Students will experience skills needed to complete a project.
- Student will explore career opportunities.

Target Level: Grades Middle/Junior High

Career Cluster: Foundation, Career Development

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

EXPLORING SKILLED AND TECHNICAL SCIENCE - 8th Grade

Short Name
EXPLSTS8

Course Code
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.

Target Level: Grades Middle/Junior High

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

Career Cluster: Foundation, Career Development

PRINCIPLES OF MAINTENANCE AND OPERATIONS

Short Name
MAINT/OP

Course Code
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

Target Level: Grades 9-12

Career Cluster: Architecture and Construction

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I CONSTRUCTION	1701

SKILLED AND TECHNICAL SCIENCES

MANUFACTURING - METALS

<u>Short Name</u>	<u>Course Code</u>
METAL WORK	101400

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to 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>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I METALS	1704

ADVANCED FABRICATION AND MANUFACTURING - METALS

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I METALS	1704

INTRODUCTION TO ENERGY, POWER AND TRANSPORTATION SYSTEMS

<u>Short Name</u>	<u>Course Code</u>
IN SM ENG	101600

This introductory course will provide the students with entry level knowledge and skills for further study in the Energy, Power and Transportation (EPT) 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 EPT will also be included in this foundation course.

Target Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I AUTO MECHANICS	1702

SKILLED AND TECHNICAL SCIENCES**EMERGING TECHNOLOGIES IN TRANSPORTATION AND LOGISTICS**Short NameCourse 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.

Target Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

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

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

DISTRIBUTION AND LOGISTICSShort NameCourse Code**TDLDL****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.

Target Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics and Manufacturing

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

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

TRANSPORTATION TECH SVCS & MAINTShort 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.

Target 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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I AUTO MECHANICS

1702

SKILLED AND TECHNICAL SCIENCES

AUTOMOTIVE & MOBILE EQUIP SERV & REPAIR

Short Name

Course Code

AUTOSERV

101630

This capstone semester course in Automotive and Mobile Equipment Repair and Service will build upon the previous knowledge of skills from the Mobile Equipment Program of Study. Advanced diagnostic and repair procedure will be addressed in each of the major systems of engine repair, i.e. Ignition, fuel, cooling, lubrication, electronics, drive train, suspension & chassis, brakes, and engine performance.

Target Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I AUTO MECHANICS	1702

AUTOMOTIVE BODY REPAIR AND REFINISHING

Short Name

Course Code

AUTOREPAIR

101640

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

Target Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I AUTO MECHANICS	1702

BUSINESS LOGISTICS

Short Name

Course Code

TDLBUSLOG

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.

Target Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

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.

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
SKILLED & TECHNICAL SCIENCE ED
T & I METALS

1000
1700
1704

COMPUTER INTEGRATED MANUFACTURING

Short Name

Course Code

INT 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.

Target Level: Grades 9-12

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

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH
SKILLED & TECHNICAL SCIENCE ED
T & I METALS

1000
1700
1704

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.

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
SKILLED & TECHNICAL SCIENCE ED
T & I METALS

1000
1700
1704

SKILLED AND TECHNICAL SCIENCES**MANUFACTURING - WOODS**Short NameCourse Code**MFG/WOODS****101920**

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to 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 NameEndorsement Number

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I CONSTRUCTION

1701

ADV FABRICATION & MFG WOODSShort NameCourse Code**ADFABMANW****101921**

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 NameEndorsement Number

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

T & I CONSTRUCTION

1701

SKILLED AND TECHNICAL SCIENCES

MANUFACTURING - WELDING

Short Name

Course Code

WELD

101930

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to 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>
AGRICULTURE	0100
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I METALS	1704
T & I WELDING	1709

ADV FABRICATION & MFG - 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: Grade 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>
AGRICULTURE	0100
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I METALS	1704
T & I WELDING	1709

SKILLED AND TECHNICAL SCIENCES

MANUFACTURING - PLASTICS

Short Name

Course Code

MFG/PLAST

101950

This course includes content related to conducting an in-depth investigation to identify customer needs, verifying that needed resources are available, setting up production equipment, using process control data, inspecting the product, documenting product and process against customer requirements, and checking for specified quantities and proper documentation to prepare a final product for shipping or distribution.

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

1000

SKILLED & TECHNICAL SCIENCE ED

1700

ADV FABRICATION & MFG - PLASTICS

Short Name

Course Code

MFG/ADPLAS

101951

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Target Level: Grades 11-12

Career Cluster: Manufacturing

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

Endorsement Name

Endorsement Number

INDUSTRIAL TECH

1000

SKILLED & TECHNICAL SCIENCE ED

1700

SKILLED AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER

Short Name

Course Code

STS OTHER

109930 - 109934

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
INDUSTRIAL TECH	1000
SKILLED & TECHNICAL SCIENCE ED	1700
T & I AUTO MECHANICS	1702
T & I CONSTRUCTION	1701
T & I METALS	1704
T & I WELDING	1709

SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL STUDIES-MIDDLE GRADES/JUNIOR HIGH I	<u>Short Name</u> SOC MG I	<u>Course Code</u> 150011
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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
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SOCIAL STUDIES-MIDDLE GRADES/JUNIOR HIGH II	<u>Short Name</u> SOC MG II	<u>Course Code</u> 150012
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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
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SOCIAL SCIENCE/SOCIAL STUDIES**SOCIAL STUDIES-MIDDLE GRADES/JUNIOR HIGH III**Short NameCourse 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:Endorsement NameEndorsement Number

HISTORY	1505
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

ANTHROPOLOGYShort NameCourse 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:Endorsement NameEndorsement Number

ANTHROPOLOGY	1502
HISTORY	1505
SOCIAL SCIENCE	1501

COURSE CODES AND CLEARING ENDORSEMENTS	Page 132	Revised Aug 2011
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SOCIAL SCIENCE/SOCIAL STUDIES

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
HUMANITIES	1207
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
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
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SOCIAL SCIENCE/SOCIAL STUDIES

ADVANCED PLACEMENT GEOGRAPHY

Short Name
AP GEOG

Course Code
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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GEOGRAPHY	1504
HISTORY	1505

WORLD HISTORY

Short Name
WORLD HIST

Course Code
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
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

ADVANCED PLACEMENT WORLD HISTORY

Short Name
AP HISTW

Course Code
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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505

SOCIAL SCIENCE/SOCIAL STUDIES

ADVANCED PLACEMENT EUROPEAN HISTORY

Short Name
AP HISTEU

Course Code
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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505

NEBRASKA HISTORY

Short Name
NEBR HIST

Course Code
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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

AMERICAN HISTORY

Short Name
AMER HIST

Course Code
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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SOCIAL SCIENCE/SOCIAL STUDIES

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.

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

Endorsement Name

Endorsement Number

HISTORY

1505

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:

Endorsement Name

Endorsement Number

ART
ENGLISH
HISTORY
HUMANITIES
MUSIC
RELIGIOUS EDUCATION
SOCIAL SCIENCE

0200
0501
1505
1207
1201
1506
1501

SOCIAL SCIENCE/SOCIAL STUDIES

ECONOMICS

Short Name

Course Code

ECONOMICS

151000

A course that includes the study of economic systems and relationship to individual needs and wants as well as current events and issues. Micro and macroeconomics are also covered.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
BUSINESS, MARKETING & INFO TECH	0304
ECONOMICS	1503
MARKETING	0400
SOCIAL SCIENCE	1501

POLITICAL SCIENCE

Short Name

Course Code

POLISCIENC

151100

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

COURSE CODES AND CLEARING ENDORSEMENTS	Page 137	Revised Aug 2011
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SOCIAL SCIENCE/SOCIAL STUDIES

MODERN PROBLEMS

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

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

AMERICAN GOVERNMENT

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

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

ADVANCED PLACEMENT GOVERNMENT

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

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

SOCIAL SCIENCE/SOCIAL STUDIES

CIVICS

Short Name
CIVICS

Course Code
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
LANGUAGE-SOC SCI	2301
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

INTERNATIONAL RELATIONS

Short Name
INTL RELAT

Course Code
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:

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

PSYCHOLOGY

Short Name
PSYCHOLOGY

Course Code
151200

The study of human behavior and mental processes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PSYCHOLOGY	1508
SCHOOL GUIDANCE COUN	2501
SOCIAL SCIENCE	1501

SOCIAL SCIENCE/SOCIAL STUDIES

ADVANCED PLACEMENT PSYCHOLOGY	<u>Short Name</u>	<u>Course Code</u>
	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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PSYCHOLOGY	1508

SOCIOLOGY	<u>Short Name</u>	<u>Course Code</u>
	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

RELIGION I	<u>Short Name</u>	<u>Course Code</u>
	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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
RELIGIOUS EDUCATION	1506

SOCIAL SCIENCE/SOCIAL STUDIES**RELIGION II**Short NameCourse 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 NameEndorsement Number

RELIGIOUS EDUCATION

1506

RELIGION IIIShort NameCourse 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 NameEndorsement Number

RELIGIOUS EDUCATION

1506

RELIGION IVShort NameCourse 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 NameEndorsement Number

RELIGIOUS EDUCATION

1506

SOCIAL SCIENCE/SOCIAL STUDIES**SOCIAL SCIENCE, OTHER**Short NameCourse Code**SOC OTH****159930 - 159934**

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
RELIGION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

VISUAL & PERFORMING ARTS (ART)

ART I

Short Name
ART I

Course Code
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:

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

ART II

Short Name
ART II

Course Code
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:

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

ART III

Short Name
ART III

Course Code
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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

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VISUAL & PERFORMING ARTS (ART)

ART IV

Short Name
ART IV

Course Code
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: 2-D DESIGN

Short Name
AP ART 2D

Course Code
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.

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

Endorsement Name

Endorsement Number

ART

0200

ADVANCED PLACEMENT STUDIO ART: 3-D DESIGN

Short Name
AP ART 3D

Course Code
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.

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

Endorsement Name

Endorsement Number

ART

0200

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VISUAL & PERFORMING ARTS (ART)

ADVANCED PLACEMENT STUDIO ART: DRAWING

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.

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

Endorsement Name

Endorsement Number

ART

0200

PHOTOGRAPHY

Short Name

Course Code

PHOTOGRAPH

020600

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:

Endorsement Name

Endorsement Number

ART
MIDDLE GR/ART

0200
1811

ART-MIDDLE GRADES/JUNIOR HIGH I

Short Name

Course Code

ART MG I

020800

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:

Endorsement Name

Endorsement Number

ART
GENERAL ART
MIDDLE GR/ART

0200
0201
1811

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:

Endorsement Name

Endorsement Number

ART
GENERAL ART
MIDDLE GR/ART

0200
0201
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:

Endorsement Name

Endorsement Number

ART
GENERAL ART
MIDDLE GR/ART

0200
0201
1811

ART, OTHER

Short Name

Course Code

ART OTHER

029930 - 029934

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:

Endorsement Name

Endorsement Number

ART
GENERAL ART
MIDDLE GR/ART

0200
0201
1811

VISUAL & PERFORMING ARTS (DRAMA/THEATRE)**DRAMA/THEATRE**Short Name**THEATRE**Course Code**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 Name****Endorsement Number**

LANGUAGE ARTS
MIDDLE GR/LANGUAGE ARTS
SPEECH & THEATRE
THEATRE

0502
1817
0504
1204

VISUAL & PERFORMING ARTS (MUSIC)

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

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

SMALL PERFORMING GROUPS/VOCAL

Short Name
VOC GRPS

Course Code
120450

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

VISUAL & PERFORMING ARTS (MUSIC)

INSTRUMENTAL MUSIC

<u>Short Name</u>	<u>Course Code</u>
INSTRMUSIC	120500

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

SMALL PERFORMING GROUPS/INSTRUMENTAL

<u>Short Name</u>	<u>Course Code</u>
INSTR GRPS	120550

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

INDIVIDUAL LESSONS/VOCAL

<u>Short Name</u>	<u>Course Code</u>
LESSON/VOC	120600

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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VISUAL & PERFORMING ARTS (MUSIC)

INDIVIDUAL LESSONS/INSTRUMENTAL

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

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

ADVANCED PLACEMENT MUSIC THEORY

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

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

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

MUSIC, OTHER

<u>Short Name</u>	<u>Course Code</u>
MUSIC OTH	129930 - 129934

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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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.

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**FRENCH I**Course Code**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 NameEndorsement NumberMIDDLE GR/WORLD LANGUAGE
WORLD LANGUAGE-FRENCH1814
0601**WORLD LANGUAGE - FRENCH II**Short Name**FRENCH II**Course Code**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 NameEndorsement Number

WORLD LANGUAGE-FRENCH

0601

WORLD LANGUAGE - FRENCH IIIShort Name**FRENCH III**Course Code**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 NameEndorsement Number

WORLD LANGUAGE-FRENCH

0601

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WORLD LANGUAGE

WORLD LANGUAGE - FRENCH IV

Short Name

FRENCH IV

Course Code

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

WORLD LANGUAGE-FRENCH

Endorsement Number

0601

WORLD LANGUAGE - FRENCH V

Short Name

FRENCH V

Course Code

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

WORLD LANGUAGE-FRENCH

Endorsement Number

0601

ADVANCED PLACEMENT FRENCH & CULTURE

Short Name

AP FRENCH

Course Code

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.

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

Endorsement Name

WORLD LANGUAGE-FRENCH

Endorsement Number

0601

WORLD LANGUAGE**WORLD LANGUAGE - GERMAN I**Short NameCourse 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 NameEndorsement NumberMIDDLE GR/WORLD LANGUAGE
WORLD LANGUAGE-GERMAN1814
0602**WORLD LANGUAGE - GERMAN II**Short NameCourse 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 NameEndorsement Number

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE - GERMAN IIIShort NameCourse 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 NameEndorsement Number

WORLD LANGUAGE-GERMAN

0602

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WORLD LANGUAGE

WORLD LANGUAGE - GERMAN IV

Short Name
GERMAN IV

Course Code
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
GERMAN V

Course Code
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 & CULTURE

Short Name
AP GERMAN

Course Code
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.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

1915

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WORLD LANGUAGE

WORLD LANGUAGE - SPANISH I

Short Name

SPANISH I

Course Code

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

SPANISH II

Course Code

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

WORLD LANGUAGE - SPANISH III

Short Name

SPANISHIII

Course Code

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

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WORLD LANGUAGE

WORLD LANGUAGE - SPANISH IV

Short Name
SPANISH IV

Course Code
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
SPANISH V

Course Code
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

ADVANCED PLACEMENT SPANISH LANGUAGE

Short Name
AP SPANISH

Course Code
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.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

WORLD LANGUAGE**WORLD LANGUAGE - JAPANESE I**Short Name**JAPANESE I**Course Code**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 NameEndorsement NumberMIDDLE GR/WORLD LANGUAGE
WORLD LANGUAGE-JAPANESE1814
0607**WORLD LANGUAGE - JAPANESE II**Short Name**JAPANESEII**Course Code**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 NameEndorsement Number

WORLD LANGUAGE-JAPANESE

0607

ADVANCED PLACEMENT JAPANESE & CULTUREShort Name**AP JAPANESE**Course Code**060253**

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.

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

WORLD LANGUAGE-JAPANESE

0607

WORLD LANGUAGE**WORLD LANGUAGE - RUSSIAN I**Short Name**RUSSIAN I**Course Code**060261**

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 NameEndorsement NumberMIDDLE GR/WORLD LANGUAGE
WORLD LANGUAGE-RUSSIAN1814
0606**WORLD LANGUAGE - RUSSIAN II**Short Name**RUSSIAN II**Course Code**060262**

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 NameEndorsement Number

WORLD LANGUAGE-RUSSIAN

0606

WORLD LANGUAGE - CHINESE IShort Name**CHINESE I**Course Code**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 NameEndorsement NumberMIDDLE GR/WORLD LANGUAGE
WORLD LANGUAGE-CHINESE1814
0608

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WORLD LANGUAGE

WORLD LANGUAGE - CHINESE II

Short Name

CHINESE II

Course Code

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

WORLD LANGUAGE-CHINESE

Endorsement Number

0608

WORLD LANGUAGE - CHINESE III

Short Name

CHINESEIII

Course Code

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

WORLD LANGUAGE-CHINESE

Endorsement Number

0608

WORLD LANGUAGE - CHINESE IV

Short Name

CHINESE IV

Course Code

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

WORLD LANGUAGE-CHINESE

Endorsement Number

0608

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WORLD LANGUAGE

WORLD LANGUAGE - CHINESE V

Short Name
CHINESE V

Course Code
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 & CULTURE

Short Name
AP CHINESE

Course Code
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.

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

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

AMERICAN SIGN LANGUAGE I

Short Name
AM SIGN I

Course Code
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

0612

WORLD LANGUAGE - ASL SUPP

0613

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WORLD LANGUAGE

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

0612

WORLD LANGUAGE - ASL SUPP

0613

AMERICAN SIGN LANGUAGE III

Short Name

Course Code

AMSIGN III

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

0612

WORLD LANGUAGE - ASL SUPP

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

0612

WORLD LANGUAGE - ASL SUPP

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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH	0501
ENGLISH AS 2ND LANG	0605
HUMANITIES	1207
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

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WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name Course Code
W LANG OTH 069930 - 069934

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:

<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

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 167.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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TITLE I CURRICULUM

TITLE I READING

Short Name

Course Code

TI 1 READ

250101

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 four through twelve.

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
EDUC MENTALLY HDCP	1904
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
LEARNING DISABLTIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISBLT	1913
READ AND WRITING	0511
READING	0505
READING SPECIALIST	0508
RESOURCE TEACHER	1912

TITLE I MATHEMATICS

Short Name

Course Code

TI 1 MATH

250102

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 clear 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 four through twelve.

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
EDUC MENTALLY HDCP	1904
ELEMENTARY	1801
LEARNING DISABLTIES	1906
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
MILD/MODERATE DISBLT	1913
RESOURCE TEACHER	1912

TITLE I CURRICULUM

TITLE I EXTENDED KINDERGARTEN	<u>Short Name</u> TI1 EXTKDG	<u>Course Code</u> 250103
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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	<u>Short Name</u> TI 1 LANG	<u>Course Code</u> 250104
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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 clear 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 four through twelve.

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
EDUC MENTALLY HDCP	1904
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE ARTS	0502
LANGUAGE-SOC SCI	2301
LEARNING DISABLTIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISBLT	1913
READ AND WRITING	0511
READING	0505
READING SPECIALIST	0508
RESOURCE TEACHER	1912

TITLE I CURRICULUM**TITLE I PREKINDERGARTEN**Short NameCourse Code**TI1 PREKDG****250105**

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:**Endorsement Name****Endorsement Number**

EARLY CHILD UNIFIED	1804
EARLY CHILDHD SPEC ED	1916
EARLY CHILDHOOD EDUC	1802
PRE-SCHOOL DISABILITIES	1915
PRE-SCHOOL HDCP	1900

MISCELLANEOUS CURRICULUM

JROTC (Junior Reserve Officers' Training Corps)

Short Name
JROTC

Course Code
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
SPANSPEAK

Course Code
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
STUDNTAIDE

Course Code
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**HIGH AB ED**Course Code**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

OTHER ENDORSEMENT

Endorsement Number

8888

ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE

Short Name
ESL

Course Code
310010

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:

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

ESL OR DUAL LANGUAGE ARTS- Elementary

Short Name
ESL LAN E

Course Code
310050

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:

Endorsement Name

Endorsement Number

EARLY CHILD UNIFIED
EARLY CHILDHOOD EDUC
ELEMENTARY
MIDDLE GRADES

1804
1802
1801
1803

ESL OR DUAL LANGUAGE ARTS-Secondary

Short Name
ESL LAN S

Course Code
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
LANGUAGE ARTS
LANGUAGE-SOC SCI
MIDDLE GR/LANGUAGE ARTS

0501
0502
2301
1817

COURSE CODES AND CLEARING ENDORSEMENTS	Page 170	Revised Aug 2011
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ENGLISH AS A SECOND LANGUAGE

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

ESL OR DUAL LANGUAGE MATHEMATICS-Elementary

Short Name

Course Code

ESL MATH E

310110

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:

Endorsement Name

Endorsement Number

EARLY CHILD UNIFIED
EARLY CHILDHOOD EDUC
ELEMENTARY
MIDDLE GRADES

1804
1802
1801
1803

ESL OR DUAL LANGUAGE MATHEMATICS-Secondary

Short Name

Course Code

ESL MATH S

310111

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:

Endorsement Name

Endorsement Number

MATHEMATICS
MIDDLE GR/MATHEMATICS

1100
1818

ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE SCIENCE-Elementary	<u>Short Name</u> ESL SCI E	<u>Course Code</u> 310130
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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 GRADES	1803

ESL OR DUAL LANGUAGE SCIENCE-Secondary	<u>Short Name</u> ESL SCI S	<u>Course Code</u> 310131
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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
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
NATURAL SCIENCE	1301

ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE SOCIAL STUDIES-Elementary	<u>Short Name</u> ESL SOC E	<u>Course Code</u> 310150
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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 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 GRADES	1803

ESL OR DUAL LANGUAGE SOCIAL STUDIES-Secondary	<u>Short Name</u> ESL SOC S	<u>Course Code</u> 310151
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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 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
LANGUAGE-SOC SCI	2301
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SUPPLEMENTAL CURRICULUM

SUPPLEMENTAL READING

Short Name

Course Code

SUPP READ

290101

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
EDUC MENTALLY HDCP	1904
ELEMENTARY	1801
ENGLISH	0501
LANGUAGE - SOCSCI	2301
LANGUAGE ARTS	0502
LEARNING DISABLTIES	1906
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
MILD/MODERATE DISBLT	1913
READ AND WRITING	0511
READING	0505
READING SPECIALIST	0508
RESOURCE TEACHER	1912

SUPPLEMENTAL MATHEMATICS

Short Name

Course Code

SUPP MATH

290102

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
EDUC MENTALLY HDCP	1904
ELEMENTARY	1801
LEARNING DISABLTIES	1906
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
MILD/MODERATE DISBLT	1913
RESOURCE TEACHER	1912

SPECIAL EDUCATION

SPECIAL EDUCATION STUDY SKILLS

Short Name

Course Code

THIS COURSE OFFERING FOR STUDENTS WITH DISABILITIES,

USE COURSE CODE 260300 (STUDY SKILLS) FOUND ON PAGE 107 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

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:

Endorsement Name

Endorsement Number

ART	0200
ELEMENTARY	1801
GENERAL ART	0201
MIDDLE GR/ART	1811
MIDDLE GRADES	1803

SPECIAL EDUCATION

SPECIAL EDUCATION ART - (PAC 1162)

Short Name

Course Code

SE ART 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 GRADES	1803

SPECIAL EDUCATION LANGUAGE ARTS - K-12 (PAC 1161)

Short Name

Course Code

SE LNG

190515

** 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
READING	0505
READING AND WRITING	0511
READING SPECIALIST	0508

SPECIAL EDUCATION

SPECIAL EDUCATION LANGUAGE ARTS - (PAC 1162)

Short Name

Course Code

SE LNG AL

190530

** 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 ED	1802
ELEMENTARY	1801
MIDDLE GRADES	1803
READING SPECIALIST	0508

SPECIAL EDUCATION MATHEMATICS - K-12 (PAC 1161)

Short Name

Course Code

SE MATH

191115

** 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

SPECIAL EDUCATION

SPECIAL EDUCATION MATHEMATICS - (PAC 1162)

Short Name

Course Code

SE MATH AL

191130

** 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 ED	1802
ELEMENTARY	1801
MIDDLE GRADES	1803

SPECIAL EDUCATION MUSIC - K-12 (PAC 1161)

Short Name

Course Code

SE MUS

191215

** 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

SPECIAL EDUCATION

SPECIAL EDUCATION MUSIC - (PAC 1162)

Short Name

Course Code

SE MUS AL

191230

** 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 ED	1802
ELEMENTARY	1801
INSTRUMENTAL MUSIC	1202
MIDDLE GRADES	1803
MUSIC	1201
VOCAL MUSIC	1203

SPECIAL EDUCATION SCIENCE - K-12 (PAC 1161)

Short Name

Course Code

SE SCI

191315

** 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 SCIENCE	1305
ELEMENTARY	1801
GENERAL SCIENCE	1302
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
NATURAL SCIENCE	1301
PHYSICAL SCIENCE	1304

SPECIAL EDUCATION

SPECIAL EDUCATION SCIENCE - (PAC 1162)

Short Name

SE SCI AL

Course Code

191330

** 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 ED	1802
ELEMENTARY	1801
MIDDLE GRADES	1803

SPECIAL EDUCATION SOCIAL STUDIES - K-12 (PAC 1161)

Short Name

SE SOC

Course Code

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

SPECIAL EDUCATION SOCIAL STUDIES - (PAC 1162)

Short Name
SE SOC AL

Course Code
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 ED	1802
ELEMENTARY	1801
MIDDLE GRADES	1803

SPECIAL ED FUNCTIONAL SKILLS AND ACTIVITIES - (PAC 1162)

Short Name
SE FUNCT

Course Code
192000

** 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	1901
EARLY CHILD UNIFIED	1804
EARLY CHLDHD SPEC ED	1916
EDUC MENTALLY HDCP	1904
LEARNING DISABILITIES	1906
MILD/MODERATE DISBLT	1913
PRE SCHOOL DISABILITIES	1915
PRE SCHOOL HDCP	1900
SCHOOL TRANSITION	2502
SPEECH LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

SPECIAL EDUCATION

SPECIAL EDUCATION INDEPENDENT LIVING - K-12 (PAC 1161)	<u>Short Name</u> SE IND LV	<u>Course Code</u> 192015
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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	1901
EARLY CHILD UNIFIED	1804
EARLY CHLDHD SPEC ED	1916
EDUC MENTALLY HDCP	1904
LEARNING DISABILITIES	1906
MILD/MODERATE DISBLT	1913
PRE SCHOOL DISABILITIES	1915
PRE SCHOOL HDCP	1900
SCHOOL TRANSITION	2502
SPEECH LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

PHYSICAL EDUCATION, ADAPTIVE	<u>Short Name</u> ADAPTPE	<u>Course Code</u> 193000
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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:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ADAPTED PHYS ED	0805

SPECIAL EDUCATION

SPECIAL EDUCATION IN-HOME SETTTING

Short Name

Course Code

HBPED

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 designe 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

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

Endorsement Name

Endorsement Number

EARLY CHILD UNIFIED

1804

ECSE

1916

PRESCHOOL DISABILITIES

1915

PRESCHOOL HANDICAP

1900

SELF-CONTAINED CLASSROOM

SELF-CONTAINED CLASSROOM

Short Name
SELF-C

Course Code
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 CHILDHD SPEC ED	1916
EARLY CHILDHOOD EDUC	1802
ELEMENTARY	1801
MIDDLE GRADES	1803
PRE-SCHOOL DISABILITIES	1915
PRE-SCHOOL HDCP	1900

HOME-BASED PROGRAM (Non SPED)

Short Name
HBNSPED

Course Code
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 19400 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 CHILDHOOD UNIFIED	1804
ECE	1802
ECSE	1916
PRESCHOOL DISABILITIES	1915
PRESCHOOL HANDICAP	1900

Course Codes and Clearing Endorsements - Change Summary

Version 3.0

August 17, 2011

Numerous changes have been made to course descriptions and clearing endorsements.

Please check carefully before assigning a course code.

1. General information

- a. Certificate/Endorsement Levels

2. General Information

- a. For Provisional Certificates
- b. Middle Grades (change)
- c. Elementary (added new)

3. New Subject Areas and Course Codes in those areas

Education and Training (35)

- 350001 - Introduction to Education
- 350010 - Experiencing Teaching
- 350015 - Early Childhood Education I
- 350020 - Early Childhood Education II
- 359930 – 359934 - Education and Training, Other

Hospitality and Tourism (37)

- 370010 - Hospitality and Tourism
- 370015 - Food Service Management I
- 370020 - Food Service Management II
- 379930 – 379934 – Hospitality and Tourism, Other

Law, Public Safety and Security (39)

- 390010 - Foundation of Law, Public Safety, Corrections and Security
- 390015 - Introduction to Criminal Justice
- 390020 - Introduction to Fire & Emergency Services
- 390025 - Courts and Judicial Process
- 399930 – 399934 – Law, Public Safety and Security, Other

4. New Course Codes

Agriculture, Food and Natural Resources (01)

- 018050 – Advanced Placement Environmental Science

Visual & Performing Arts (Art) - (02)

- 020500 – Advanced Placement Studio Art: 2D Design
- 020501 – Advanced Placement Studio Art: 3D Design
- 020502 – Advanced Placement Studio Art: Drawing

Business, Marketing and Management (03)

038500 – Advanced Placement Macroeconomics

038501 – Advanced Placement Microeconomics

English Language Arts (05)

050050 – Advanced Placement English Language & Composition

050051 – Advanced Placement English Literature & Composition

050315 – Advanced Placement Spanish Literature

World Language (06)

060107 – Advanced Placement Latin: Vergil

060226 – Advanced Placement French & Culture

060236 – Advanced Placement German & Culture

060246 – Advanced Placement Spanish Language

060253 – Advanced Placement Japanese & Culture

060276 – Advanced Placement Chinese & Culture

Health Science (07)

077302 – Advanced Studies in Health Science

077303 – Personal and Community Medical Issues

077304 – Exploring the Clinical Lab

077401 – Medication Aide

077402 – Emergency Medical Tech – Basic

077800 - Health Information Technology

Skilled and Technical Science (10)

100407 – Energy Generation and Distribution

100706 – Exploring Skilled and Technical Science – 6th Grade100707 - Exploring Skilled and Technical Science – 7th Grade100708 - Exploring Skilled and Technical Science – 8th Grade

101601 - Emerging Technologies in Transportation and Logistics

101650 - Business Logistics

101951 - Adv Fabrication & Mfg – Plastics

Mathematics (11)

110620 - Advanced Placement Calculus AB

110621 - Advanced Placement Calculus BC

111720 - Advanced Placement Statistics

Visual & Performing Arts (Music) (12)

120700 - Advanced Placement Music Theory

Natural Sciences (13)

135000 - Advanced Placement Biology

135010 - Advanced Placement Chemistry

135020 - Advanced Placement Physics

Social Sciences/Social Studies (15)

- 150750 - Advanced Placement Geography
- 150805 - Advanced Placement World History
- 150806 - Advanced Placement European History
- 150830 - Advanced Placement US History
- 151113 - Advanced Placement Government
- 151210 - Advanced Placement Psychology

Self-Contained Classroom (18)

- 180005 - Home-Based Program (non-Sped)

Special Education (19)

- 194000 - Special Education In-Home Setting

Communication & Information Systems (27)

- 270700 - Advanced Placement Computer Science A

Career Education, Foundational & Specialty (32)

- 329930 – 329934 - Career Education, Foundational & Specialty, OTHER

5. Course Codes Removed:

- 011001 – Comprehensive Agriculture/Natural Resources Animal Science
- 011002 – Comprehensive Plant and Soil Science
- 011003 – Comprehensive Agribusiness/Farm Management
- 013003 – Science of Earth Systems
- 013004 – Environmental Science
- 013005 – Ecology of Agriculture
- 014002 – Biotechnology in Food Products and Processing Systems
- 015000 – Agricultural Business Management
- 016004 – Agricultural Mechanics and Technology
- 035000 – Food Service Management I
- 035001 – Food Service management II
- 038300 – Hospitality and Tourism
- 090110 – 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