

Appendix D

Course Codes and Clearing Endorsements



**Nebraska Department of Education
Education Support 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:
0	Pre School
1	Pre Primary – 3 all schools
2	K-6 Class II, K-8 Class I
3	K-6 or K-8 all schools
4	7-9
5	K-9
6	7-12
7	K-12
8	9-12
9	4-9

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

The following items describe special cases or circumstances.

For Provisional Certificates:

- 1) Provisional certificates are valid only for use in the school system which requires their issuance. This applies to Provisional re-entry, Provisional Commitment and Provisional Trade certificates only.

Middle Grades:

- 2) When grades four through six are designated as middle grades, either an elementary or a middle grades endorsement is appropriate.
- 3) A middle grades endorsement clears any subject area grades 4-9.
- 4) For grades seven and eight, a middle grades endorsement or an appropriate secondary endorsement is appropriate.
- 5) 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.

- 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.
- 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.

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AGRICULTURE

**INTRODUCTION TO AGRICULTURE/NATURAL RESOURCES
SYSTEMS**

Short Name
AG/NR-INTR

Course Code
011000

This comprehensive course provides orientation to and instruction in agriculture/natural resource systems, establishing a supervised agriculture experience program and basic record keeping, introduction to leadership development and the FFA organization and career exploration.

This code could be used for:

- 9th grade Agriculture/Natural Resources or
- Entry level Agriculture/Natural Resources class

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

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

**COMPREHENSIVE AGRICULTURE/NATURAL RESOURCES ANIMAL
SCIENCE**

Short Name
AG/NR-ANSC

Course Code
011001

Year-long course in animal science and related careers including instruction in the livestock industry, livestock evaluation and selection, managing livestock enterprises, nutrition and genetics, marketing, processing livestock products and record keeping. Other instruction may include companion animals, leadership, FFA and the Supervised Agricultural Experiences (SAE).

This code could be used for:

- 10th, 11th, or 12th Grade Agriculture/Natural Resources.

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

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

**COMPREHENSIVE AG/NATURAL RESOURCES PLANT AND SOIL
SCIENCE**

Short Name
AG/NRPLANT

Course Code
011002

Year-long course in plant and soil science and related careers including instruction in crop science/management, soil science, surveying and field mapping, Global Positioning Systems (GPS), genetics forage management, sustainable agriculture, alternative crops, processing plant commodities and technology. Other instruction may include horticulture, leadership, FFA and the Supervised Agricultural Experiences (SAE).

This code could be used for:

- 10th, 11th, or 12th Grade Agriculture/Natural Resources.

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

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

AGRICULTURE

**COMPREHENSIVE AG/NATURAL RESOURCES AGRIBUS/FARM
MGMT**

Short Name
AG/NR MGTG

Course Code
011003

Year-long course in agriculture/farm management and related careers including instruction in agribusiness management, horticulture, farm management, marketing, computer usage, record keeping and analysis, entrepreneurship, international agriculture, agricultural law, and technology. Other instruction may include leadership, FFA and the Supervised Agriculture Experience (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture/Natural Resources.

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

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

ANIMAL SCIENCE

Short Name
ANIMAL SCI

Course Code
011004

Instruction provided in a semester animal science and related careers course includes common livestock anatomy, livestock, animal reproduction, artificial insemination and waste management (for ecology). Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

LIVESTOCK PRODUCTION

Short Name
LIVEST PRO

Course Code
011005

Instruction provided in semester livestock production and related careers course includes introduction to the livestock industry, feeding livestock, maintaining animal health, beef cattle management, swine management, sheep management, dairy cattle management and marketing livestock/livestock products. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

AGRICULTURE

SMALL ANIMAL CARE

Short Name

Course Code

SM ANIMAL

011006

Instruction provided in a semester long small animal care and related careers course including animal care/management, zoo keeping, lab animals, pet shops, dog grooming, kennel operations and veterinary assistant. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:

9th, 10th, 11th or 12th Grade Agriculture.

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

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

PLANT AND SOIL SCIENCE

Short Name

Course Code

PL SOIL SC

011007

Instruction provided in a semester long plant and soil science and related careers course includes introduction to plant science, basic plant processes, plant growth/development, plant disease identification/control, elementary study of soils, fertilizers and soil conservation practices. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:

9th, 10th, 11th or 12th Grade Agriculture.

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

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

CROP PRODUCTION

Short Name

Course Code

CROP PRO

011008

Instruction provided in a semester long crop production and related careers course includes Nebraska crops, planning cropping systems, seed selection, land preparation, planting, harvesting, storage, crop chemicals, marketing and specific crop production areas. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:

9th, 10th, 11th or 12th Grade Agriculture.

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

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

AGRICULTURE

HORTICULTURE

Short Name
HORT

Course Code
012000

Instruction provided in a semester long horticulture and related careers course includes an overview of the horticulture industry, basic plant science, soil science, greenhouse operations, pest management, horticulture plant tools/equipment, lawn care/maintenance, gardening, floriculture, plant taxonomy, plant propagation, house plants, nursery/bedding plants and vegetable production. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905

LANDSCAPING, NURSERY AND GARDENING

Short Name
LANDSCAPE

Course Code
012001

Instruction provided in a semester long landscaping, nursery, gardening and related careers course includes landscape design, plant identification/selection, landscape practices, nursery practices, care/use of ornamental shrubs, turf/grounds maintenance, vegetable gardening, fruit production, landscaping/nursery/gardening industry and growing structures. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905

FLORICULTURE AND GREENHOUSE MANAGEMENT

Short Name
FLORICUL

Course Code
012002

Instruction provided in a semester long floriculture/greenhouse management and related careers course includes potted plant production, growing media, cultural operations, plant growing structures, potted plant production, retail floristry principles, floral plant identification and construction of floral design. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905

AGRICULTURE

NATURAL RESOURCE MANAGEMENT

Short Name
NATRES MGT

Course Code
013000

Instruction provided in a semester long natural resource management and related careers course includes natural resource management orientation/awareness, water conservation, wildlife management, pollution, forest resources, resources management, government and the environment and a natural resources practicum. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

WILDLIFE MANAGEMENT

Short Name
WDLIFE MGT

Course Code
013001

Instruction provided in a semester long wildlife management and related careers course includes the importance of wildlife management, wildlife/fish management history, administration, ecology, wildlife/fish species, management of special wildlife areas and a fish/wildlife practicum. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

ENVIRONMENT AG: ENERGY, NATURAL RESOURCES AND THE ENVIRONMENT

Short Name
ENVIR AG

Course Code
013002

Instruction provided in a semester long environmental agriculture course: energy, natural resources, the environment and related careers course includes the importance and scope of natural resources/energy/environment, environment policies, population demographics, water resources management, urban/agricultural water use, waste water management, air quality, hazardous materials and natural resources for energy. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

AGRICULTURE

FOOD SCIENCE

Short Name

Course Code

FOOD SCI

014000

Instruction provided in a semester long food science and related careers course includes the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products, constituents of food, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science practicums. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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

Endorsement Name

Endorsement Number

AGRICULTURE

0100

AGRICULTURAL BUSINESS MANAGEMENT

Short Name

Course Code

AG BUS MGT

015000

Instruction provided in a semester long agricultural business management and related careers course includes types of business arrangements, attributes of successful managers, agricultural accounting concepts and government programs. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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

Endorsement Name

Endorsement Number

AGRICULTURE

0100

**COMP AG/NAT RESOURCES AG
MECHANICS/EQUIPMENT/STRUCTURES/TECH**

Short Name

Course Code

AG/NR MECH

016000

Year-long course in agricultural mechanics and related careers including instruction in tools and equipment, large and small engines, power, welding, carpentry, building construction, farm operations, electricity, farm equipment setup and maintenance and safety. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

Endorsement Name

Endorsement Number

AGRICULTURE
MIDDLE GRADES/AG EDUCATION

0100
1810

AGRICULTURE

METALS AND WELDING

Short Name Course Code
METAL WELD **016001**

Instruction provided in a semester long metals, welding and related careers course includes metal equipment identification/maintenance/safe usage, introduction to oxyacetylene, oxyacetylene welding/cutting, introduction to arc welding, arc welding/cutting, mig/tig/plasma arc welding/cutting and related practicums. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
10th, 11th or 12th Grade Agriculture.

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
T & I METALS	1704
T & I WELDING	1709

WOODS AND CONSTRUCTION

Short Name Course Code
AG WOODS **016002**

Instruction provided in a semester includes basic safety, drawing/sketching, bill of material, fasteners, rafter framing, concrete, spray painting, plumbing, building structures and the surveying level. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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
MIDDLE GRADES/AG EDUCATION	1810
MIDDLE GRADES/INDUSTRIAL TECH	1816

LEADERSHIP AND HUMAN RESOURCE DEVELOPMENT

Short Name Course Code
LEADER **017000**

Instruction provided in a semester long leadership, human resource development and related careers course includes leadership in a community, leadership concepts/applications, characteristics of an effective leader, characteristics of an effective manager and related practicums. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
9th, 10th, 11th or 12th Grade Agriculture.

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

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

AGRICULTURE**AGRICULTURE COOPERATIVE EDUCATION CLASS**Short NameCourse Code**AG COOP ED****017100**

A regularly scheduled class devoted to information and skill training related to agribusiness activities. This class is scheduled to meet concurrently with the student's employment in an agricultural setting.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601

AGRICULTURAL ENRICHMENT (AWARENESS)Short NameCourse Code**AG ENRICH****018000**

Instruction provided in a semester or less agriculture enrichment course encompasses the interrelationships of agriculture and society. Topics should include agricultural industries, agricultural mechanization, agricultural technology, agricultural production, food delivery systems, agricultural product relationship to society, agricultural history and agricultural effect on the past/present/future environment. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
7th Grade Agriculture.

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

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

AGRICULTURAL CAREER EXPLORATIONShort NameCourse Code**AG CAREERS****018001**

Instruction provided in a semester or less agricultural career exploration course identifies the agricultural industry and career opportunities. Topics should include occupations within the agricultural industry segments, changing skills, and understandings requisite to employment, entry level skills requisite to employment, social values, exploring occupational choices, personal life-style interests and practicums. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
8th Grade Agriculture.

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

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

AGRICULTURE

AGRICULTURAL ENRICHMENT AND CAREER EXPLORATION

Short Name
AG ENR CAR

Course Code
018002

Instruction provided in a semester or less agricultural enrichment and career exploration course where local educational agencies offer only one course of junior high agricultural education per year. The local agricultural instructor derives the course content by selecting units from 018000 or 018001. Other instruction may include leadership, FFA and Supervised Agricultural Experiences (SAE).

This code could be used for:
7th and/or 8th Grade Agriculture.

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

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

AGRICULTURE, OTHER

Short Name
AGRI OTHER

Course Code
019930 - 019934

Programs or courses not listed or classified.

This code may be used for such courses as:
Agricultural Education Project Records
Independent Study
Student Assistant
Aquaculture
International Agriculture

Using codes 019930 through 019934 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>
AGRICULTURE	0100
MIDDLE GRADES/AG EDUCATION	1810

BUSINESS**ACCOUNTING, BEGINNING**Short NameCourse Code**ACCT BE****030300**

The study of the fundamental principles involved in the preparation and maintenance of financial records concerned with business management and operations.

This code could be used for:
10th, 11th or 12th grade.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

ACCOUNTING, ADVANCEDShort NameCourse Code**ACCT AD****030301**

A second-year accounting course designed to help students acquire additional knowledge of concepts, procedures and applications. Special emphasis is given to analyzing and interpreting financial information used in making managerial decisions.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

BUSINESS**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.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MATHEMATICS	1100
MIDDLE GRADES/BUSINES ED	1812
MIDDLE GRADES/MATHEMATICS	1818

BUSINESS COMMUNICATIONShort NameCourse Code**BUSNS COMM****030600**

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	0502
MARKETING	0400

BUSINESS

APPLIED COMMUNICATIONS

Short Name

Course Code

APPL COMM

030601

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 the 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	0502
MARKETING	0400

BUSINESS AND CONSUMER LAW

Short Name

Course Code

BUSNS LAW

030900

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens, employees, employers and consumers in the free enterprise system.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

BUSINESS**BUSINESS ECONOMICS**Short Name
BUSNS ECONCourse Code
031800

A course designed to help students understand economic principles as applied to current events and issues. Emphasis includes economics 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.

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
ECONOMICS	1503
GENERAL OFFICE EDUC	0303
MARKETING	0400
SOCIAL SCIENCE	1501

E-COMMERCEShort Name
E-COMCourse Code
031805

This course is designed to help students master the concepts and skills for conducting business electronically. Emphasis is on entrepreneurial applications of conducting business electronically as well as economics, social, legal and ethical issues related to electronic business. Skill development in web page construction will be incorporated, including understanding software and Internet capabilities. Students may have the opportunity to develop sites for selling goods/services/ideas. Work-based learning strategies appropriate for this course are school-based enterprises, internships, cooperative education, apprenticeships, simulations and projects.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

BUSINESS

EXPLORATORY BUSINESS

Short Name

Course Code

EXPLORBUSN

032000

This course is designed as a middle-level course that introduces students to business and how to prepare for careers in business. Students will begin the study of personal money management, basic business concepts, entrepreneurship concepts and the role of business in our society.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

INTRODUCTION TO BUSINESS

Short Name

Course Code

INTROBUSNS

032300

A course designed as an introductory study of business. Units of study include scope and function of business and economic systems, forms of business ownership, legal and ethical issues in business and business career opportunities.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

BUSINESS**ENTREPRENEURSHIP**Short NameCourse Code**ENTREP****032600**

A course designed to introduce students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, finance and manage a small business. Instructional strategies may include the development of a business plan or the operation of a school-based business.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

BUSINESS TECHNOLOGY/BUSINESS PROCEDURESShort NameCourse Code**BUSNS PROC****032801**

A course designed as a capstone class for students to develop the attitudes, techniques and skills necessary for success in today's fast-paced business world. The integration of emerging technologies and business principles is incorporated throughout the course.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

BUSINESS MANAGEMENTShort NameCourse Code**BUSNS MGT****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 the characteristics, organization and operation of business as a major sector of the economy.

This code could be used for:
10th, 11th or 12th grade.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

BUSINESS

PERSONAL FINANCE/CONSUMER ECONOMICS

Short Name

Course Code

PERSON FIN

033000

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

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
ECONOMICS	1503
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812
MIDDLE GRADES/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

INTRODUCTION TO INFORMATION TECHNOLOGY

Short Name

Course Code

INFO TECH

033410

A course designed to provide students with the knowledge and skills necessary for success in computer-based environments. Students use advanced hardware and software functions to solve problems commonly found in information technology systems, database systems, networks, peripherals and electronic communications.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

BUSINESS**BUSINESS COMPUTER APPLICATIONS****Short Name
BUSCOMPAP****Course Code
033420**

A course designed to include basic skills in the areas of word processing, database management, spreadsheet, electronic presentation, Internet, electronic communication, graphics, desktop publishing and basic web design. Students identify ethical issues pertaining to information systems and gather information about careers in 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
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

ADVANCED BUSINESS COMPUTER APPLICATIONS**Short Name
ADBUSCOMAP****Course Code
033421**

A course designed to assist students in developing proficiency in computer and technology applications. Advanced units of instruction may cover database management, trouble shooting, electronic communication, desktop publishing, Internet, interactive media, operating systems, network systems, presentation and web design. Student identify ethical issues pertaining to information systems and gather information about careers in technology. Programming may or may not be part of this course. Students may be given the opportunity to complete industry certification requirements.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

BUSINESS**KEYBOARDING APPLICATIONS**Short NameCourse Code**KEYBD BEG****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.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

KEYBOARDING APPLICATIONS ADVANCEDShort NameCourse Code**KEYBD AD****033502**

A course designed to help students improve touch method keyboarding skills and to develop handwriting recognition and speech recognition skills. Instruction emphasizes improved techniques for increased speed and accuracy, composition at the keyboard, arrangement of statistical copy and production of projects from both straight and unarranged copy.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

BUSINESS

INTERACTIVE MEDIA AND WEB DESIGN

Short Name

Course Code

INT MEDIA

033600

A course designed as a capstone course for students to create, design and produce interactive media products and services. The course emphasizes the development of digitally-generated and/or computer-enhanced media.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

NETWORK SYSTEMS

Short Name

Course Code

NET SYS

033601

A course designed to provide students the opportunity to understand and work with 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. Skills acquired in the design, installation, maintenance and management of network systems will assist students in obtaining industry network certifications.

This code may be used for:
10th, 11th, 12th grade.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INDUSTRIAL TECH	1000
INFORMATION TECHNOLOGY	2701
MARKETING	0400

BUSINESS**INTERNATIONAL BUSINESS**Short NameCourse Code**INTL BUSNS****034100**

A course designed to provide a specialized course for students with a career interest in international trade. The course offers opportunities for students to develop an understanding of the various careers in international trade, finance, shipping and marketing. Fundamental concepts, principles and theories in an international setting are considered. Students may combine classroom instruction with occupational experiences in international trade-related businesses.

This code may be used for:
10th, 11th, 12th grade.

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
GENERAL OFFICE EDUC	0303
MARKETING	0400

COOPERATIVE BUSINESS INTERNSHIPShort NameCourse Code**COOP BUSNS****037100**

A course that provides opportunity for students to prepare for initial employment through classroom instruction and supervised relation on-the-job training in cooperating local businesses.

This code may be used for:
10th, 11th, 12th grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
MARKETING	0400

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

Business courses not listed or classified under the above codes.

Using codes 039930 through 039934 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>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
GENERAL OFFICE EDUCATION	0303
MARKETING	0400
MIDDLE GRADES/BUSINESS ED	1812

CAREER EDUCATION

LEARNING, EARNING AND LIVING SKILLS

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

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

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

EDUCATION AND TRAINING

<u>Short Name</u>	<u>Course Code</u>
ED TRAIN	320200

This code is used for courses that prepare students for careers in the Education and Training Career Cluster.

This code may be used for 9th, 10th, 11th and 12th grade.

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

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

LAW, PUBLIC SAFETY AND SECURITY

<u>Short Name</u>	<u>Course Code</u>
LAW PS SEC	320300

This code is used for courses that prepare students for careers in the Law, Public Safety and Security Career Cluster.

This code may be used for 9th, 10th, 11th and 12th grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

COMPUTER EDUCATION

INTRODUCTION TO INFORMATION TECHNOLOGY

Short Name

Course Code

INTROCOMPA

270300

A course designed to introduce basic operations and the utilization of computers in society. Emphasis is placed on understanding how to utilize computers as productivity, communication and research tools with special attention on legal and ethical behaviors.

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
MIDDLE GRADES/BUSINESS ED	1812
OTHER ENDORSEMENT	8888

COMPUTER LANGUAGE I

Short Name

Course Code

COMPLANGI

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.

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
OTHER ENDORSEMENT	8888

COMPUTER LANGUAGE II

Short Name

Course Code

COMPLANGII

270402

A course designed to review the program development process through the introduction and use of languages such as: Visual Basic, Java, C++, PASCAL, FORTRAN, COBOL, RPG and Machine Language.

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
OTHER ENDORSEMENT	8888

COMPUTER EDUCATION

COMPUTER APPLICATIONS I

Short Name

Course Code

COMPAPP I

270501

A course designed to include basic skills in the areas of word processing, database management, spreadsheet, electronic presentation, Internet, electronic communication, graphics, desktop publishing and basic web design. Students identify ethical issues pertaining to information systems and gather information about careers in 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
OTHER ENDORSEMENT	8888

COMPUTER APPLICATIONS II

Short Name

Course Code

COMPAPP II

270502

A course designed to assist students in developing proficiency in computer and technology applications. Advanced units of instruction may cover database management, trouble shooting, electronic communication, desktop publishing, Internet, interactive media, operating systems, network systems, presentation and web design. Students identify ethical issues pertaining to information systems and gather information about careers in technology. Programming may or may not be part of this course. Students may be given the opportunity to complete industry certification requirements.

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
OTHER ENDORSEMENT	8888

NETWORK SYSTEMS

Short Name

Course Code

NET SYS

270601

A course designed to provide students the opportunity to understand and work with 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. Skills acquired in the design, installation, maintenance and management of network systems will assist students in obtaining network certifications.

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
OTHER ENDORSEMENT	8888

COMPUTER EDUCATION

INTERACTIVE MEDIA AND WEB DESIGN

Short Name

Course Code

INT MEDIA

270602

A course designed as a capstone course for students to create, design and produce interactive media products and services. The course emphasizes the development of digitally-generated and/or computer-enhanced media.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOL	2701
OTHER ENDORSEMENT	8888

COMPUTER EDUCATION, OTHER

Short Name

Course Code

COMP OTH

279930 - 279934

Programs or courses not otherwise listed or classifiable.

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

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
MIDDLE GRADES/BUSINESS ED	1812
OTHER ENDORSEMENT	8888

DIVERSIFIED OCCUPATIONS**DIVERSIFIED OCCUPATIONS - SCHOOL SITE LEARNING (SSL)
CLASS**Short Name

DIV OC SSL

Course Code

247100

A regularly scheduled class that provides students the opportunity to connect what they learn in school with worksite application to ensure a smooth transition into the work force or postsecondary education upon graduation from high school. Most students will also enroll in a Work Site Learning Experience in conjunction with this class.

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
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
FAM/CNSMR RELTD OCC	0902
HEALTH OCCUPATIONS	0700
INDUSTRIAL TECH	1000
MARKETING	0400
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
VOCATIONAL T & I	1700

**COOPERATIVE EDUCATION/DIV OCC - WORK SITE LEARNING
(WSL) EXPERIENCE**Short Name

DIV OC WSL

Course Code

247200

Students are placed in an occupation best related 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. Generally, students attend classes in the morning and work afternoons and/or evenings, averaging 15-20 hours a week. Students usually earn a regular salary while developing the competencies necessary for success in the business world.

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
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
FAM/CNSMR RELTD OCC	0902
HEALTH OCCUPATIONS	0700
INDUSTRIAL TECH	1000
MARKETING	0400
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
VOCATIONAL T & I	1700

FAMILY & CONSUMER SCIENCES**EXPLORATORY FAMILY AND CONSUMER SCIENCES**Short Name**EXP FCS**Course Code**090001**

The first course offered in a sequence of courses in which students explore several of the subject matter areas in Family and Consumer Sciences. The intent is to help students understand the breadth of the work of the family and begin to examine the interconnections of family, career and community. This course is commonly taught in the middle/junior high schools but may be used for a 9th grade course if that is the first course offered.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

INTRODUCTION TO FAMILY AND CONSUMER SCIENCESShort Name**INT FCS**Course Code**090002**

The second course offered in a sequence of courses in which 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 the work of the family and continuing to examine the interconnections of family, career and community. This course is commonly taught in the middle/junior high schools.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

FAMILY & CONSUMER SCIENCES**COMPREHENSIVE FAMILY AND CONSUMER SCIENCES**Short 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.

This code could be used for: 8th, 9th, 10th or 11th grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

INTEGRATED FAMILY AND CONSUMER SCIENCESShort NameCourse Code**INTGR FCS****090004**

An advanced comprehensive study that examines recurring concerns 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.

This code is commonly used for: 11th or 12th grade

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

FAMILY & CONSUMER SCIENCES**PARENTING/CHILD DEVELOPMENT**Short NameCourse Code**PARENTING****090102**

Study concerned with parenting readiness, parenting decisions, and parenting practices and/or a study of child development (physical, mental, emotional and social) and the impact of a child on family life.

This code should be used for such courses as:

Human Development

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

CLOTHING AND TEXTILESShort NameCourse Code**CLOTH TEXT****090103**

The social, psychological and physiological aspects of clothing and textiles. Includes selection, construction, maintenance and alteration of textile products.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

FAMILY & CONSUMER SCIENCES

CONSUMER ECONOMICS

Short Name

Course Code

CONSUMERED

090104

A course that includes a study of wants and needs; values, goals, and standards; the change process; understanding the economic system; resource management and decision-making, life-style choices, career exploration and job-seeking skills; budgeting and financial management (includes banking, credit, investments, insurance, crisis management, planning for children, housing, transportation, food); and consumer behavior (includes consumer rights and responsibilities, comparative shopping, consumer protection and impact of marketing/advertising).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

INDEPENDENT LIVING/ADULT LIVING

Short Name

Course Code

IND LIVING

090105

Comprehensive, practical, instruction focusing on mastery of effective independent living and survival skills with underlying themes of consumerism, decision making and problem solving.

This code should also be used for such courses as:
Single Survival

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

FAMILY & CONSUMER SCIENCES**FAMILY RELATIONS/HUMAN RELATIONS**Short NameCourse Code**FAMILY REL****090106**

The study of the nature, functions, and nurturance of human relationships in family and individual units.

This code should also be used for such courses as:

Family Living

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

NUTRITION AND FOODShort NameCourse Code**NUTRI FOOD****090107**

The principles of nutrition and its relationship to individual health; the selection, preparation and care of food; meal management; food economics and ecology; and maximizing the food dollar.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

FAMILY & CONSUMER SCIENCES**HOME MANAGEMENT**Short NameCourse Code**HOME MANAG****090108**

Home Management includes decision making and the organization of activities in the home as a means of successfully balancing multiple roles.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

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

Study of physical, psychological and social influences of housing on people. Emphasis may be on the varied types of housing: cost; exterior and interior design; selection, use and care of home furnishings and equipment; and use of available resources for achieving improved living space to meet individual and family needs.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

FAMILY & CONSUMER SCIENCES**FAMILY HEALTH**Short 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).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HEALTH	0801
HEALTH & PHYS EDUC	2304
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813
MIDDLE GRADES/HEALTH & PE	1815

APPLIED PSYCHOLOGYShort NameCourse Code**APPL PSYCH****090111**

A course that 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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
PSYCHOLOGY	1508
SOCIAL SCIENCE	1501

FAMILY & CONSUMER SCIENCES**FAMILY AND CONSUMER SCIENCES CAREERS**Short NameCourse Code**FCS CAREER****090112**

Study in which students explore own interests and abilities in relationship to potential career choices; develop a life plan for achieving individual, family and career goals; examine the reciprocal nature of work and family; and demonstrate problem solving, teamwork, communication, conflict resolution, leadership and self-management skills.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

FOOD SCIENCEShort NameCourse Code**FOOD SCI****090113**

Instruction provided in a semester food science and related careers course including 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 sciences applications.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

FAMILY & CONSUMER SCIENCES**ENTREPRENEURSHIP IN FAMILY AND CONSUMER SCIENCES**Short NameCourse Code**ENTREP FCS****090114**

An exploration of the fundamental principles of starting and operating a small business. Content focuses on the marketing and management principles necessary to start and operate an independent small business, franchise or other entrepreneurial venture. Cooperative education internships, simulation and/or shadowing experiences may be used to enhance instruction.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901

FAMILY AND CONSUMER SCIENCES, OTHERShort NameCourse Code**FCS OTH****099930 - 099934**

Family and Consumer Sciences courses not otherwise listed or classifiable. May include Skills for Adolescence (Quest) and similar programs if part of Family and Consumer Sciences program. May also include courses such as Technology and Living.

Using codes 099930 through 0909934 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>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSUMER SVCS	1208
FAMILY/CONSMR SCIENCE	0903
HOMEMAKING	0901
MIDDLE GRADES/FAMILY & CONSUMER	1813

OCCUPATIONAL FAMILY AND CONSUMER SCIENCES**CARE AND GUIDANCE OF CHILDREN**Short NameCourse Code**CARE CHILD****090201**

Preparation for paid employment in occupations in child care and guidance at entry, assistant, and management levels. Study may cover such areas as: child growth and development, nutrition, behavior, guidance, recreation and play activities, etc.

This code is limited to use for 10th, 11th and 12th Grade.

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

Endorsement NameEndorsement Number

FAM/CNSMR RELTD OCC

0902

**CLOTHING MANAGEMENT, PRODUCTION AND SERVICES -
OCCUPATIONAL**Short NameCourse Code**CLOTHING****090202**

Preparation for paid employment in occupations dealing with the entire spectrum of clothing, apparel, and textile management, production and services. Study may be in any or all of the following areas: fabric and fabric care, pattern design, fitting and alteration of ready-to-wear garments, clothing maintenance, etc.

This code is limited to use for 10th, 11th and 12th Grade.

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

Endorsement NameEndorsement Number

FAM/CNSMR RELTD OCC

0902

**FOOD MANAGEMENT, PRODUCTION AND SERVICES -
OCCUPATIONAL**Short NameCourse Code**FOOD MANAG****090203**

Preparation for paid employment in managerial productions and service level jobs in institutional, commercial or other food industry occupations. Included may be study of foods, and their nutritive value, quantity food preparation, safety and sanitary precautions, etc.

This code is limited to use for 10th, 11th and 12th Grade.

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

Endorsement NameEndorsement Number

FAM/CNSMR RELTD OCC

0902

OCCUPATIONAL FAMILY AND CONSUMER SCIENCES**HOME FURNISHINGS, EQUIPMENT AND SERVICES -
OCCUPATIONAL**Short Name
HOME FURNCourse Code
090204

Preparation for paid employment in occupations dealing with the entire spectrum of home furnishings and equipment. Special emphasis may be given to assisting purchasers in the selection and maintenance of suitable home furnishings and/or equipment.

This code is limited to use for 10th, 11th and 12th Grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902

INSTITUTIONAL, HOME MANAGEMENT - SUPPORT SERVICES - OCCShort Name
INST MANAGCourse Code
090205

Preparation for paid employment in occupations dealing with institutional home management and supporting services. Emphasis may be given to: institutional/executive management housekeeping; hotel/motel housekeeping; commercial cleaning; assisting homemakers with management of household tasks; assisting consumers with decision making in relation to housing, food, clothing, etc.

This code is limited to use for 10th, 11th and 12th Grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902

**OCCUPATIONAL FAMILY AND CONSUMER SCIENCES - COOP
CLASS**Short Name
OCC CSCOOPCourse Code
097100

A regularly scheduled class devoted to information and skill training related to occupational home economics activities. This class is scheduled to meet concurrently with the students' employment in an occupational home economics related setting.

This code is limited to use for 10th, 11th and 12th grade.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
FAM/CNSMR RELTD OCC	0902

OCCUPATIONAL FAMILY AND CONSUMER SCIENCES**OCCUPATIONAL FAMILY AND CONSUMER SCIENCES, OTHER**Short NameCourse Code**OCC CS OTH****099970 - 099974**

Occupational Family and Consumer Sciences courses not otherwise listed or classified.

Using codes 099970 through 099974 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

FAM/CNSMR RELTD OCC

0902

HEALTH SCIENCE**HEALTH SCIENCE COOPERATIVE EDUCATION CLASS**Short NameCourse Code**HEALTHCOOP****077100**

Regularly scheduled class devoted to information and skill training related to health occupations activities. This class is scheduled to meet concurrently with the students' employment in a health occupation setting.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
HEALTH OCCUPATIONS	0700

EXPLORATION OF HEALTH CARE OCCUPATIONSShort NameCourse Code**EXPLORE HS****077200**

A course to introduce the Health Care Careers found within the five pathways. This course may provide experiences along with information and knowledge related to the health care field.

Target Level: Grades 6-8

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

INTRODUCTION TO HEALTH SCENICESShort NameCourse Code**INTRO HS****077300**

This course includes an overview of the knowledge and skills required in each of the Health Science Careers five pathways. Topics covered may include: health care delivery, patient care, (including assessment of vital signs, body mechanics, and diet), identification and use of medical equipment and supplies, medical terminology, hygiene and disease prevention, first aid and CPR procedures, laboratory procedures, ethical and legal responsibilities.

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

HEALTH SCIENCE**ADVANCED HEALTH SCIENCE**Short NameCourse Code**ADVAN HS****077301**

This course is designed to provide instruction of the knowledge and skills of health science careers. Topics covered may include ethics and professionalism, HIPAA, JACHO, careers specific to body systems, topics related to hospital/clinic/business, medical language and job shadowing/volunteering.

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

INTRODUCTION TO NURSING ASSISTANTShort NameCourse Code**NURSE ASST****077400**

A course designed with a special emphasis on the knowledge and skills required of nurses and nursing assistants. Topics may include normal growth and development; bathing, feeding, dressing and transporting patients; basic pharmacology; doctor, nurse and patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (chronically ill, children, new mothers, etc.)

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

INTRODUCTION TO SPORTS MEDICINEShort NameCourse Code**SPORTS MED****077500**

This course includes instruction on 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

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

HEALTH SCIENCE

MEDICAL TERMINOLOGY

Short Name

Course Code

MED TERM

077600

This course is designed to help students learn medical language by analyzing their components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

CLINICAL NUTRITION

Short Name

Course Code

CLIN NUTRI

077700

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

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

HEALTH CARE SCIENCES - OTHER

Short Name

Course Code

HSOTHER

077930 - 077934

Health Care Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designed for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Informatics, Health Supportive Services and Biotechnology Research and Development.

Target Level: Grades 9-12

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAM/CNSMR RELTD OCC	0902
FAMILY/CONSMR SCIENCE	0903
HEALTH OCCUPATIONS	0700
SCHOOL NURSE	2510

INDUSTRIAL TECHNOLOGY**CONSTRUCTION**Short NameCourse Code**CONSTRUCTN****100100**

The study of the technology and/or the socio-economic contributions of those industries concerned with residential, industrial and transportation structures. Learning activities are usually centered around scaled structures, involve research, design, engineering, masonry, carpentry, etc.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I CONSTRUCTION	1701

DRAFTINGShort NameCourse Code**DRAFTING****100300**

The study of the communication of ideas through drawings, sketches, charts, graphs and maps. Learning experiences include the development of skills through the use of drafting instruments involved in lettering, sketching, geometric construction, orthographic and pictorial drawings, etc.

This code should also be used for such courses as:

- Architectural Drafting
- Mechanical Drawing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I DRAFTING	1705

COMPUTER AIDED DRAFTING (CAD)Short NameCourse Code**COM CAD****100301**

The study of the communication of ideas through drawings, sketches, charts, graphs and maps. The learning experiences emphasize the development of skills through the use of appropriate CAD software, computers and related hardware of the industry.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I DRAFTING	1705

INDUSTRIAL TECHNOLOGY**ELECTRONICS**Short NameCourse Code**ELECTRONIC****100401**

A category of information and skills concerned with electrical energy including theory, applications and control as they relate to electrically powered equipment; to various kinds of communications equipment; and to related factors such as occupations, economics and consumer education.

See Natural Sciences, (130303-130307), Trade and Industrial Occupations, Electrical Occupations (171400), and Electronics Occupations (171500)

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

CONSTRUCTION/ELECTRICITYShort NameCourse Code**ELECTRICIT****100402**

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

See Natural Sciences, (130303-130307), Trade and Industrial Occupations, Electrical Occupations (171400) and Electronics Occupations (171500).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

TECHNOLOGY EDUCATIONShort NameCourse 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 clusters 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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700

INDUSTRIAL TECHNOLOGY

TECHNOLOGY ENGINEERING EDUCATION

Short Name

Course Code

TECH ENG

100501

Research and development course provides students the opportunity to focus on one or more areas of industrial technology. Students pursue new knowledge or solve technological problems by designing and building prototypes and working models. Appropriate information is learned and integrated studies are applied in order to complete projects. This code should also be used for " Project Lead The Way" (pre-engineering) courses.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700

PRINCIPLES OF TECHNOLOGY I (CAREER & TECHNICAL EDUCATION)

Short Name

Course Code

PRTECIT I

100503

Principles of Technology (Career & Technical Education) is an applied physics course designed to prepare students more effectively for technical careers. The 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. Application of the principles is conducted in a laboratory setting which demonstrates the use of these principles by workers in 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.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700

PRINCIPLES OF TECHNOLOGY II (CAREER & TECHNICAL EDUCATION)

Short Name

Course Code

PRTECIT II

100504

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

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700

INDUSTRIAL TECHNOLOGY**INDUSTRIAL TECHNOLOGY, GENERAL**Short NameCourse Code**GENINDTECH****100700**

The study of two or more separate and somewhat distinct aspects of industry and technology. Learning experiences involve activities such as experimenting, designing, construction, evaluating and using a variety of tools, materials and processes.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816

GRAPHIC ARTSShort NameCourse Code**GRAPH ARTS****100702**

The study of information and skills concerned with graphics reproduction, as well as related factors such as occupations, economics and consumer information.

This code should also be used for such courses as:

- Graphic Arts
- Photography
- Photolithography
- Printing

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I GRAPHIC ARTS	1706

CONSTRUCTION/HOME MAINTENANCEShort NameCourse Code**HOM MAINT****100800**

The study of the tools, materials and processes involved in the upkeep and repair of the home, its equipment and devices. Learning activities are centered around typical problems encountered by the homeowner and include simple maintenance, repairs 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
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I CONSTRUCTION	1701
T & I GRAPHIC ARTS	1706

INDUSTRIAL TECHNOLOGY

MANUFACTURING/METALWORKING

Short Name

Course Code

METALWORK

101400

A category of information and skills concerned with metals including the products manufactured from metals; the technology employed in the production, processing and use of metals; related factors such as occupations, economics and consumer information; and the operations used in cutting and fabricating metal products.

This code should also be used for such courses as:

- Bench Metal
- Sheet Metal
- Welding
- Machine Shop

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I METALS	1704
T & I WELDING	1709

TRANSPORTATION/POWER/AUTOMOTIVE MECHANICS

Short Name

Course Code

POAUTOMECH

101600

A category of information and skills concerned with the various forms of power including its generation, transmission and utilization.

This code should also be used for such courses as:

- Automotive Mechanics
- Power Mechanics

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I AUTO MECHANICS	1702

MANUFACTURING/WOODWORKING

Short Name

Course Code

WOODS

101900

A category of information and skills concerned with woodworking including various manufactured wood products, the technology employed in the manufacture and construction of products using woods as well as factors such as occupations, economic and consumer information.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
MIDDLE GRADES/INDUSTRIAL TECH	1816
OTHER T & I EDUCATION	1700
T & I CONSTRUCTION	1701

INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY, OTHER

Short Name

Course Code

INDTECHOTH

109930 - 109934

Programs or courses not otherwise listed or classifiable.

Using codes 109930 through 109934 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

INDUSTRIAL TECH

1000

MIDDLE GRADES/INDUSTRIAL TECH

1816

OTHER T & I EDUCATION

1700

TRADE & INDUSTRIAL OCCUPATIONS

AUTOMOTIVE SERVICES

Short NameCourse Code

AUTO SERV

170300

Classroom and laboratory experiences which include training in all phases of automotive maintenance and repair work on all types of automotive vehicles. Included may be training in the use of technical manuals and a variety of hand and power tools.

This code should also be used for such courses as:

- Body and Fender
- Mechanics
- Other Automotive Specialization

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I AUTO MECHANICS	1702

CONSTRUCTION AND MAINTENANCE TRADES

Short NameCourse Code

CONST MAIN

171000

Classroom and laboratory experiences concerned with the erection, installation, maintenance or repair of buildings, highways and any other structures or components of the built environment using a variety of materials.

This code should also be used for such courses as:

- Carpentry
- Electricity
- Masonry
- Plumbing & Pipefitting
- Other

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I CONSTRUCTION	1701

DRAFTING OCCUPATIONS

Short NameCourse Code

DRAFT OCCU

171300

Organized, specialized learning experiences which emphasize theory, use of the drafting room and laboratory, and shop work as each relates to gathering and translating data or specifications, including the aspects of planning, preparing and interpreting drawings and sketches.

This code should also be used for such courses as:

- Architectural Drafting
- Mechanical Drawing
- Electrical Drafting
- Civil Drafting

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I DRAFTING	1705

TRADE & INDUSTRIAL OCCUPATIONS**ELECTRICAL OCCUPATIONS**Short NameCourse Code**ELEC OCCUP****171400**

Organized subject matter and experiences which include theory, laboratory and shop work as each relates to planning functions, generating and transmitting electricity, installing and maintaining electrical and communications systems, equipment and components. Instruction emphasizes the subjects essential to preparation for employment in the electrical occupations.

This code should be used for such courses as:

- Residential Wiring
- Electrical Wiring

See Industrial Technology, Communications/Electronics (100401), Trade and Industrial Occupations, Electronics Occupations (171500).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

PRINCIPLES OF TECHNOLOGY I (CAREER & TECHNICAL EDUCATION)Short NameCourse Code**PRTECVE I****171450**

Principles of Technology (Career & Technical Education) is an applied physics course designed to prepare students more effectively for technical careers. The 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 certificates 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. 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.

Note: Provisional Trades certificate will not clear this course.

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
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

PRINCIPLES OF TECHNOLOGY II (CAREER & TECHNICAL EDUCATION)Short NameCourse Code**PRTECVE II****171451**

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

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
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

TRADE & INDUSTRIAL OCCUPATIONS

ELECTRONICS OCCUPATIONS

Short NameCourse Code

ELECTRONIC

171500

Organized, specialized learning experiences which include theory, laboratory, and shop work as each relates to planning, producing, testing, assembling, installing and maintaining electronic equipment. Instruction should be designed to develop knowledge, understanding, and skills essential for employment in any electronics occupations.

This code should also be used for such courses as:

Communications, Radio/TV, or Computer/Microcomputer Electronics

See Industrial Technology, Communications/Electronics (100401) and Trade and Industrial Occupations, Electrical Occupations (171400).

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER T & I EDUCATION	1700
T & I ELEC-ELECTRON	1703

T & I GRAPHIC ARTS

Short NameCourse Code

GRAPH ART

171900

A study of the theory, laboratory and shop work related to all phases of typesetting, layout, composition, presswork, lithography, photoengraving and other graphic arts related to the printing industry.

This code should also be used for such courses as:

Commercial Art
Photography

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I GRAPHIC ARTS	1706

METALWORKING OCCUPATIONS

Short NameCourse Code

METAL OCCU

172300

Organized, specialized learning experiences which include theory, laboratory and shop work related to the planning, manufacturing, assembling, testing and repairing of parts, mechanisms, machines, and structures in which materials are cast, formed, shaped, molded, heat treated, cut, twisted, bent, pressed, stamped, fused, marked or otherwise worked upon.

This code should also be used for such courses as:

Machine Shop
Metal Trades
Welding & Cutting

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I METALS	1704
T & I WELDING	1709

TRADE & INDUSTRIAL OCCUPATIONS

MILLWORK AND CABINETMAKING

Short Name

Course Code

MILL/CAB

173605

Classroom and shop experiences concerned with woodworking occupations other than construction carpentry. The use of various hand and power tools is emphasized. Specialized class and practical work experience concerned with production of products such as window frames, moldings, trim, panels and with the making of kitchen cabinets and office equipment. Instruction includes planning layout, blueprint reading, and working with various kinds of woods.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	1700
T & I CONSTRUCTION	1701

TRADE AND INDUSTRIAL COOPERATIVE EDUCATION CLASS

Short Name

Course Code

T&I COOP

177100

A regularly scheduled class devoted to information and skill training related to the student's chosen Trade or Industrial activity. This class is scheduled to meet concurrently with the student's employment in the Trade or Industrial setting.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COOP ED DIV OCC	1605
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
INDUSTRIAL TECH	1000
OTHER T & I EDUCATION	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

TRADE & INDUSTRIAL OCCUPATIONS

T & I OCCUPATIONS, OTHER

Short NameCourse Code

T&I OCC OT

179930 - 179934

Programs or courses not otherwise listed or classifiable.

Using codes 179930 through 179934 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>
OTHER T & I EDUCATION	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

MARKETING EDUCATION**FINANCIAL SERVICES MARKETING**Short NameCourse Code**FINS MKTG****040400**

This course develops skills and knowledge in diverse areas such as financial planning, banking, accounting, insurance, and other finance-related fields. In-depth classroom instruction and practical experience(s) in marketing and management concepts, as well as principles and practices related to the financial services industry are included.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

SPORTS AND ENTERTAINMENT MARKETINGShort NameCourse Code**SPORT MKTG****041800**

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, and other related fields of endeavor. An academy approach to instruction may be used as well as cooperative on-the-job training.

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
COMPUTER SCIENCE	2701
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION**HOSPITALITY AND RECREATION MARKETING**Short NameCourse Code**HOSP MKTG****041801**

This course provides instruction in skills and knowledge within the context of the fields of hospitality management (restaurant and lodging management) and recreational ventures such as entertainment, relaxation, and sports-related businesses. In-depth instruction and practical experience in marketing and management concepts, principles and practices related to the hospitality and recreation industries are fundamental components of this course.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

EXPLORATION OF MARKETINGShort NameCourse Code**EXP MKTG****044001**

Career exploration in the marketing occupations, introduction to fundamental marketing concepts, study of the characteristics of successful job performance and work habits, and exposure to the different types and operations of business are included in this preparatory course.

The primary focus of this one semester course is to introduce students to the wide array of careers in marketing, management, and entrepreneurship. Basic and fundamental principles of marketing are included, but in-depth examination of the field of marketing is reserved for Beginning Marketing and Advanced Marketing.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION

BEGINNING MARKETING

Short NameCourse Code

MARKET

044101

A course of study that provides a sound foundation in the principles and concepts of economics, the fundamentals of marketing, and the free market as well as other economic systems. The beginning marketing course is usually part of a two-year marketing program. The curriculum provides the foundational skills and knowledge in economics, communication/interpersonal skill, professional development and business/management/entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

ADVERTISING

Short NameCourse Code

ADVERTISE

044200

A study of the purposes, fundamentals and methods of creating commercial advertising.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION**RETAILING**Short NameCourse Code**RETAIL****044300**

An introduction to the skills and knowledge necessary for the successful retail business operation. An overview of retail operations, channels of distribution, market analysis, promotion, pricing and distribution, and retail career exploration is given.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

FASHION MARKETING/MERCHANDISINGShort NameCourse Code**FASH MERCH****044400**

A course which 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.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION**ENTREPRENEURSHIP/SMALL BUSINESS MANAGEMENT**Short NameCourse Code**ENTREP****044500**

The study of the marketing and management principles necessary to start and operate an independent small business, franchise, or other entrepreneurial venture. Cooperative marketing internships, simulations, and shadowing experiences may be used to enhance the course instruction.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

E-COMMERCE MARKETINGShort NameCourse Code**E-COM MKTG****044600**

This course is designed to help students master the concepts and skills for conducting business electronically. Emphasis is on entrepreneurial applications of conducting business electronically as well as economic, social, legal and ethical issues related to electronic business. Skill development in web page construction will be incorporated. Work-based learning strategies appropriate for this course are school-based enterprises, internships, cooperative education, apprenticeships, simulations and projects.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION**INTERNATIONAL MARKETING**Short NameCourse Code**INTL MKTG****046000**

International Marketing is a specialized course for students with a career interest in the field of international trade. The course is designed to provide students with an understanding of the various careers in international trade, finance, shipping and marketing. Fundamental concepts, principles and theories in an international setting are considered.

Students may combine classroom instruction with occupational experiences including simulations, school and community-based projects or employment in international trade-related businesses which are planned, supervised, and documented by the teacher.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

ADVANCED MARKETINGShort NameCourse Code**MARKET II****047101**

Advanced marketing (Marketing II) is a capstone course focusing on the study of the marketing functions as they relate to the student's career interest(s). Emphasis is placed on the application of economic knowledge, marketing mathematics, computer/technology applications, decision making (critical thinking), communication and management techniques. The intricacies of business organization and operation are fundamental to the course content. Advanced marketing builds and enhances the foundational skills and knowledge in Economics, Professional Development, Communication/Interpersonal Skills, and Business/Management/Entrepreneurship. The functions of marketing are explored in depth, using cooperative marketing internships and case studies of actual business/economic situations encountered in a free market economy. Application of academic concepts and technology are integrated throughout the curriculum.

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
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400

MARKETING EDUCATION

COOPERATIVE MARKETING INTERNSHIP

Short Name

Course Code

MKTG INT

047200

A course that provides an opportunity for students to prepare for employment through classroom instruction and supervised related on-the-job training in cooperating local business.

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

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS EDUCATION	0302
DIV OCC/SCHL-TO-WORK	1603
DIVERSIFIED OCCUPTNS	1601
MARKETING	0400

MARKETING, OTHER

Short Name

Course Code

MKTG OTH

049930 - 049934

Marketing, management or entrepreneurship courses not listed or classifiable under the above codes.

Using codes 049930 through 049934 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>
BASIC BUSINESS	0301
BUSINESS EDUCATION	0302
COMPUTER SCIENCE	2700
GENERAL OFFICE EDUC	0303
INFORMATION TECHNOLOGY	2701
MARKETING	0400