

CATE
Course Offerings and Course Descriptions
Austin High School

Agricultural Science and Technology Education
High School Courses
19 TAC Chapter 119
Comprehensive, High School

Introduction to World Agricultural Science and Technology

(INWOAGSC) PEIMS Number: 11911101* Grade Placement: 9-12 Credit: ½
Prerequisite: None

A basic course designed to provide an introduction to global agriculture. The course includes instructional units in agricultural career development, leadership, communications, personal finance, and mechanized agriculture.

Applied Agricultural Science and Technology (APAGSCTE)

PEIMS Number: 11911102* Grade Placement: 9-12 Credit: ½ Prerequisite: None
A basic course designed to enhance the agricultural comprehension in agricultural science. The course includes soils, plants, animals, agricultural construction, food science, supervised agricultural experience programs, and leadership.

Agricultural Science and Technology Independent Study

(AGINSTDY) PEIMS Number: 11977339* Grade Placement: 11-12 Credit: ½
Prerequisite: Completion of at least three courses in a career coherent sequence
A project-based learning experience developed by a student or group of students, teacher, and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the agricultural science and technology area. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of the project. *Project can meet the Distinguished Achievement Program requirements for advanced measures.*

Agribusiness Management and Marketing (AGMGTMKT) PEIMS

Number: 11922373* Grade Placement: 9-12 Credit: ½ Prerequisite: None
A course designed as an introduction to agribusiness management in the free enterprise system. Instruction includes a study of economic principles, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.

Advanced Agribusiness Management and Marketing

(ADVAGMAN) PEIMS Number: 11923374* Grade Placement: 9-12 Credit: ½
Prerequisite: Agribusiness Management and Marketing .

A course designed to examine the interrelatedness of the management and marketing dimensions of the free enterprise system. Instruction includes the use of basic economic principles, such as supply and demand; profit maximization; budgeting; record keeping; acquisition of capital resources; domestic and international marketing systems; and computer-aided management.

Entrepreneurship in Agriculture (ENPRSPAG) PEIMS Number:
11922375* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to introduce the entrepreneurial opportunities in the American system of agribusiness. Instruction includes units on the nature of entrepreneurship, economic principles, business records, capital resources, insurance, business laws, promotion strategies, human resource management, application of computers, and the components of a business plan.

Computer Applications in Agriculture (AGRICOMP) PEIMS Number:
11922376*

Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide training in the utilization of electronic information and data technology in the production, processing, management, and marketing of agricultural commodities.

Environmental and Natural Resources

Energy and Environmental Technology (ENEVTECH) PEIMS

Number: 11921281* Grade Placement: 9-12 Credit: ½ Prerequisite: None
A course designed to explore interrelationships of people and natural resources with special emphasis on conservation and protection of the environment.

Exploring Aquaculture (EXPLAQUA) PEIMS Number: 11922282* Grade
Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide a clear understanding of the scope of aquaculture production and the existing career opportunities. A study of aquatic plants and animals, water management, production techniques, and management and marketing skills provide a thorough basis for future studies.

Environmental Technology (ENVITECH) PEIMS Number: 11922284*

Grade Placement: 9-12 Credit: ½ Prerequisite: None

A classroom/laboratory-oriented course designed to address the concepts and skills related to environmental technology. Instruction will include components of the environment; renewable and non-renewable natural resources; stewardship of the environment; abuse of natural resources; environmental laws, legislation,

and regulations; environmental ethics, responsibility and education; and implications of restoration and conservation practices.

Wildlife and Recreation Management (WIRECMGT) PEIMS Number:

11923381* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources.

Range Management and Ecology (RANGEMGT) PEIMS Number:

11923382* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide information regarding the management and ecological aspects of range lands. Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information about safe working practices, record keeping, career exploration, and leadership will be included.

Forestry and Wood Technology (FORESTRY) PEIMS Number:

11923383* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide a study of the forestry and wood technology industries. Instruction includes a historical perspective of the industries as a benchmark for the development of technical skills in the areas of dendrology, biometrics, forest management, forest utilization and wood product technology, and research and development in the forestry and wood industry. Instruction in safe working practices, leadership, career exploration, and record keeping skills will be provided.

Agricultural Resources (AGRESCE) PEIMS Number: 11934481* Grade Placement: 11-12 Credits: 1-3 Prerequisite: None

A laboratory-oriented course designed to develop skills in relation land, water, and air management; wildlife and habitat management; forest resource management; and development of outdoor recreational activities. Instruction will include information on career opportunities, leadership activities, and record keeping practices related to the various industries.

Aquaculture Production (AQUAPROD) PEIMS Number: 11934484*

Grade Placement: 11-12 Credit: 1-3 Prerequisite: None

A laboratory-oriented course designed to introduce the concepts and skills related to the production of aquacultural crops. The course emphasizes the study and development of skills in the importance of aquaculture, safety practices related to aquaculture, classification and identification of plant and animal aquacultural species, determination of optimum growth and health of species-specific aquacrops, analysis of water quality, planning and designing

aquacultural facilities, harvesting of aquacrops, processing of species-specific aquacrops, and the marketing of aquacultural products. Instruction will include information on career opportunities, leadership activities, and record-keeping practices related to the industry.

HORTICULTURE

Introduction to Horticulture Science (INHORTSC) PEIMS Number: 11921261* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed as an introduction to horticultural sciences with emphasis on technical skills, entrepreneurship, and career opportunities.

Landscape Design, Construction, and Maintenance

(LADECOMA) PEIMS Number: 11923361* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in the design, construction, and maintenance of planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.

Horticulture Plant Production (HORTPLPR) PEIMS Number:

11923362* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures.

Floral Design and Interior Landscape Development (FLDEINLD)

PEIMS Number: 11923363* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in the design and arrangement of flowers, foliage, and related plant materials for interior locations.

Advanced Floral Design (ADVFLORD) PEIMS Number: 11923365*

Grade Placement: 9-12 Credit: ½ Recommended Prerequisite: Floral Design and Interior Landscape Development

A course designed to examine floral design in relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry. (Note: This course is accepted as fine arts credit for non-horticulture majors at Texas A&M University.)

Fruit, Nut, and Vegetable Production (FRNUVEPR) PEIMS Number:

11923364* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide skills necessary to develop and maintain enterprises concerned with the production of fruit, nuts, and vegetables.

Horticulture I (HORT)

PEIMS Number: 11934461*

Horticulture II (HORTII)

PEIMS Number: 11934462*

Grade Placement: 11-12 Credits: 1-3 Prerequisite: None

A laboratory-oriented course designed to develop skills in the various technical areas of the horticulture industry, preparing individuals to perform horticulture related skills. The course emphasizes greenhouse and nursery crop production; landscaping; floral design; and fruit, nut, and vegetable crop production. Instruction will include information

on career opportunities, leadership activities, and record keeping practices related to the horticulture industry.

Leadership Development

Personal Skill Development in Agriculture (PESKDEAG) PEIMS

Number: 11922312* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A comprehensive course designed to develop agricultural leadership, citizenship, and cooperation. Instruction includes such topics as personal development, employee/employer relations, and group and interpersonal communication skills.

Agricultural Communications (AGRICOMM) PEIMS Number:

11922315* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop appropriate spoken, written, and visual communications techniques and procedures.

Mechanized Agriculture

Introduction to Agricultural Mechanics (INAGMECH) PEIMS

Number: 11921221* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes.

Home Maintenance and Improvement (HOMAIMPT) PEIMS Number:

11921222* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop the skills and knowledge needed to improve and maintain the urban or rural home and adjacent buildings, including the analysis of repair needs and use of approved safety techniques.

Agricultural Structures Technology (AGSCTECH) PEIMS Number:

11922321* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in the maintenance, evaluation, design, and building of agricultural structures using approved construction techniques.

Agricultural Metal Fabrication Technology (AGMFTECH) PEIMS

Number: 11922322* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in metal equipment assembly and joining processes.

Agricultural Power Technology (AGPWTECH) PEIMS Number:

11922323* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop skills in selection, operation, and maintenance of small air-cooled engines, multi-cylinder engines, hydraulic motors, electric motors, and agricultural machinery and tractors.

Agricultural Electronics (AGRELECT) PEIMS Number: 11922325*

Grade Placement: 9-12 Credits: ½ Prerequisite: None

A course designed to reinforce and extend students' knowledge of mathematical and scientific principles and concepts involved in producing and controlling electronic impulses and to provide generic workplace skills relevant to electronic applications in agriculture.

Agricultural Power and Machinery (AGPOWER) PEIMS Number:

11934421* Grade Placement: 11-12 Credits: 1-3 Prerequisite: None

A comprehensive pre-employment laboratory-oriented course designed to develop skills in the maintenance, repair, and recondition of agricultural vehicles and machinery. The course emphasizes basic principles of operation, while including modern, high-tech components, systems monitors, on-board computers, etc.

Agricultural Mechanics I (AGMECH) PEIMS Number: 11934422*

Agricultural Mechanics II (AGMECHII) PEIMS Number: 11934423*

Grade Placement: 11-12 Credits: 1-3 Prerequisite: None

A laboratory-oriented course designed to introduce the scientific principles, concepts, and skill development necessary in agricultural mechanics. The course emphasizes soil and water conservation, electrification, concrete and masonry construction, building planning and construction, small engine and agricultural equipment maintenance and repair, and oxyfuel and electric cutting and welding. Instruction will include information on career opportunities, leadership activities, and record keeping practices related to the industry.

Value-Added and Food Processing

Food Technology (FOODTECH) PEIMS Number: 11921241* Grade

Placement: 9-12 Credit: ½ Prerequisite: None

A course concerned with world food production; the processing, preparing, and packaging of foods; government regulations regarding foods; exploring career opportunities; and leadership development.

Meats Processing (MEATPROC) PEIMS Number: 11934441* Grade Placement: 11-12 Credits: 1-3

Prerequisite: None

A laboratory-oriented course designed to develop skills in the processing of meat. The course emphasizes equipment care and sanitation, meat quality, identification, grading, fabrication, preparation and preservation, and merchandising and consumer trends. Instruction will include information on career opportunities, leadership activities, and record-keeping practices related to the industry.

Food and Fiber Production

Plant and Animal Production (AMPLPROD) PEIMS Number: 11921231* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to provide principles of animal and plant production and the management of soils as related to agriculture.

Specialty Agriculture (SPECAGRI) PEIMS Number: 11923331* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to emphasize the selection, production, and marketing of specialty enterprises. Record keeping, integrated systems, career opportunities, and leadership will be included in instruction.

Animal Science (ANIMALSC) PEIMS Number: 11923332* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop knowledge and skills pertaining to the nutrition, reproduction, health, and management of domestic animals.

Advanced Animal Science (ADVANSKI) PEIMS Number: 11923336* Grade Placement: 9-12 Credit: ½ Recommended Prerequisite: Animal Science

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production.

Plant and Soil Science (SOILPLSC) PEIMS Number: 11923333* Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to examine soil and plant relationships that affect the production of food and fiber.

Advanced Plant and Soil Science (ADVPLSCI) PEIMS Number:

11923337* Grade Placement: 9-12 Credit: ½ Recommended Prerequisite: Plant and Soil Science

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of crop production using the resources of land, soil, water, energy, and living organisms. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for crop production.

Equine Science (EQUINESC) PEIMS Number: 11923334* Grade

Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses.

Applied Entomology (APPLENTO) PEIMS Number: 11922335* Grade

Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to introduce the impact of insects in the state, nation, and world. Instruction will include integrated pest management, environmental considerations, characteristics of insects and applied entomology terminology, beneficial insects and insect pests, chemical control, management concepts, pesticide application, alternatives

to chemical control, pesticide use certification, and records related to applied entomology. Course meets one of the four Distinguished Achievement Program (DAP) measures.

Agricultural Biotechnology (AGRIBIOT) PEIMS Number: 11923338*

Grade Placement: 9-12 Credit: ½ Prerequisite: None

A course designed to introduce the basics of molecular biology in this rapidly developing industry. Instruction includes technical information and skill development in cell biology, Mendelian genetics, recombinant DNA techniques, plant and animal biotechnology, and career opportunities.

Animal Production (ANMLPROD) PEIMS Number: 11934431* Grade

Placement: 11-12 Credits: 1-3 Prerequisite: None

A laboratory course designed to develop skills in animal production and feedlot operation through the development of competencies in the selection, physiology, nutrition, health, facilities, feeding, and marketing of cattle, sheep, and swine. Instruction will include information on career opportunities, leadership activities, and record-keeping practices related to the industry.

Agricultural Science and Technology Education - PEIMS Codes
Comprehensive, High School

Course	AAR	Credit	Course Code
Introduction to World Agricultural Science & Technology	INWOAGSC	1/2	11911101*
Applied Agricultural Science and Technology	APAGSCTE	1/2	11911102*

Exploratory, High School

Course	AAR	Credit	Course Code
Energy & Environmental Technology	ENEVTECH	1/2	11921281*
Exploring Aquaculture	EXPLAQUA	1/2	11922282*
Introduction to Horticultural Science	INHORTSC	1/2	11921261*
Introduction to Agricultural Mechanics	INAGMECH	1/2	11921221*
Home Maintenance & Improvement	HOMAIMPT	1/2	11921222*
Food Technology	FOODTECH	1/2	11921241*
Plant & Animal Production	AMPLPROD	1/2	11921231*

Technical, High School

Course	AAR	Credit	Course Code
Agribusiness Management and Marketing	AGMANMKT	1/2	11923373*
Advanced Agribusiness Management & Marketing	ADVAGMAN	1/2	11923374*
Entrepreneurship in Agriculture	ENPRSPAG	1/2	11922375*
Computer Applications in Agriculture	AGRICOMP	1/2	11922376*
Wildlife & Recreation Management	WIRECMGT	1/2	11923381*

Range Management & Ecology	RANGEMGT	1/2	11923382*
Forestry and Wood Technology	FORESTRY	1/2	11923383*

Environmental Technology	EVITECH	1/2	11922284*
Landscape Design, Construction, & Maintenance	LADECOMA	1/2	11923361*
Horticultural Plant Production	HORTPLPR	1/2	11923362*
Floral Design & Interior Landscape Management	FLDEINLD	1/2	11923363*
Advanced Floral Design	ADVFLORD	1/2	11923365*
Fruit, Nut, & Vegetable Production	FRNUVEPR	1/2	11923364*
Personal Skill Development in Agriculture	PESKDEAG	1/2	11922312*
Agricultural Communications	AGRICOMM	1/2	11923315*
Agricultural Structures Technology	AGSCTECH	1/2	11922321*
Agricultural Metal Fabrication Technology	AGMFTECH	1/2	11922322*
Agricultural Power Technology	AGPWTECH	1/2	11922323*
Agricultural Electronics	AGRELECT	1/2	11922325*
Specialty Agriculture	SPECAGRI	1/2	11923331*
Animal Science	ANIMALSC	1/2	11923332*
Advanced Animal Science	ADVANSCI	1/2	11923336*
Plant & Soil Science	SOILPLSC	1/2	11923333*
Advanced Plant & Soil Science	ADVPLSCI	1/2	11923337*
Equine Science	EQUINESC	1/2	11923334*
Applied Entomology	APPLENTO	1/2	11922335*
Agricultural Biotechnology	AGRIBIOT	1/2	11923338*

Agricultural Science & Technology Independent Study	AGINSTDY	1/2	11977339*
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Agricultural Industry, High School

Course	AAR	Credit	Course Code
Aquaculture Production	AQUAPROD	1 - 3	11934484*
Agricultural Resources	AGRESCE	1 - 3	11934481*
Meats Processing	MEATPROC	1 - 3	11934441*
Meats Processing II	MEATPROII	1 - 3	11934442*
Horticulture I	HORT	1 - 3	11934461*
Horticulture II	HORTII	1 - 3	11934462*
Agricultural Power & Machinery	AGPOWER	1 - 3	11934421*
Agricultural Mechanics I	AGMECH	1 - 3	11934422*
Agricultural Mechanics II	AGMECHII	1 - 3	11934423*
Animal Production	ANMLPROD	1 - 3	11934431*

Teacher Record Code for Career Preparation Learning Experiences

Course	AAR	Credit	Course Code
Agricultural Science and Technology Career Preparation I	AGCPI	2 - 3	11955501***
Agricultural Science and Technology Career Preparation II	AGCPII	2 - 3	11955502***
Agricultural Science and Technology Career Preparation III	AGCPIII	2 - 3	11955503***

Training Station Codes

Course	Credit	Course Code
WBL / Agriculture/Agribusiness other	2 -3	11955505****
WBL / Leadership Development	2 - 3	11955515****
WBL / Mechanized Agriculture	2 - 3	11955525****
WBL / Food & Fiber Production	2 - 3	11955535****
WBL / Value-Added & Food Processing	2 - 3	11955545****
WBL / Horticulture	2 - 3	11955565****
WBL / Agribusiness Marketing & Management	2 - 3	11955575****
WBL / Environmental & Natural Resources	2 - 3	11955585****

For more information, contact:

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Business Education

High School Courses 19 TAC Chapter 120

Accounting I (BEGACCT1) PEIMS Number: 12022100* Grade Placement: 10-12 Credit: $\frac{1}{2}$ -1 Recommended Prerequisite: None

Introduces general accounting concepts, principles, and procedures; emphasizes the need for financial records; provides the fundamental equation and its application to accounting procedures, including the basic steps of the accounting cycle, special journals and ledgers, work sheets, adjusting and closing entries, special problems in the purchase and sale of merchandise, notes and interest, depreciation, accruals and prepaid items, payroll records, and personal income taxes. Accounting develops the knowledge, skills, and attitudes necessary for individuals to conduct personal business or to further an education in the field of accounting. Students complete practice sets or simulations, use calculators, and process some data electronically.

Accounting II Comprehensive (ADVACCT1) PEIMS Number: 12031100* Grade Placement: 10-12 Credits: $\frac{1}{2}$ -2

Provides for review and further development of fundamental accounting principles with extensive use of technology; incorporates complete accounting cycle in relation to formation and dissolution of partnerships. Examines characteristics of corporate organization and ownership, including investments and distribution of earnings; includes adjustments of bad debts, depreciation, depletion of fixed assets, adjusted and accrued income, various methods of inventory control, preparation of business budgets and notes receivable and payable; provides experience in initiating and maintaining an accounting system and in analyzing, interpreting, and synthesizing managerial problems using accounting information as a tool; and develops skill in applying principles used in accounting systems and methods commonly found in business. Accounting II is designed for students interested in studying accounting at the postsecondary level or entering the work

Administrative Procedures I (ADVADPR1)

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PEIMS Number: 12031200*

Credits: $\frac{1}{2}$ – 2

Recommended Prerequisite: Keyboarding

Administrative Procedures II (ADVADPR2)

PEIMS Number: 12031210* Grade Placement: 11-12 Credits: 1-2

Recommended Prerequisite: Administrative Procedures I

Provides an advanced and in-depth study of concepts and skills in various systems and administrative procedures that enable a worker to manage or function in the workplace; enhances technology skills and oral and written language skills relating to effective communications; emphasizes planning and organizing work, establishing priorities, records and information management, and operation of equipment; and serves as the major vehicle for cooperative education

Business Computer Information Systems I (BEGBCIS1) PEIMS

Number: 12011200* Grade Placement: 9-10 Credit: ½-1 Prerequisite:

Keyboarding, ½ credit or equivalent ^^

Develops technology skills with applications to personal or business situations focusing on word processing, spreadsheets, data bases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies; and develops intermediate-level skills. **Course can count for one credit of Technology Applications.**

Business Computer Information Systems II (ADVBCIS1) PEIMS

Number: 12031300* Grade Placement: 10-12 Credit: ½-1

Provides advanced technology skills required in the business environment; includes workplace technology standards in applications of word processing, spreadsheets, data bases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies; and develops advanced level skills. **Course can count for one credit of Technology Applications.**

Business Education Independent Study (BUSINDSY) PEIMS

Number: 12061100* Grade Placement: 12 Credit: ½-1 Recommended

Prerequisites: 2 business courses, including Keyboarding, ½ credit or equivalent^^

A project-based learning experience developed by a student or group of students, teacher, and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the business area. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of the project. This activity meets one of the Distinguished Achievement Program measures.

Business Law (BUSLAW) PEIMS Number: 12022400*** Grade**

Placement: 11-12 Credits: ½-1 Recommended Prerequisite: Business Computer Information Systems I

Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the

business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation.

Business Management (BUSMGMT) PEIMS Number: 12022500****

Grade Placement: 10-12 Credit: ½ Recommended Prerequisite: None

Introduces basic management concepts and leadership styles; explores managerial functions, economic and social components of productivity, international business, and human relations; understands the changing nature of the business environment; concepts of business integrity; and develops and implements a business plan.

Business Image Management and Multimedia (BUSIM/MM) PEIMS

Number: 12022300* Grade Level: 10-12 Credit: ½-1 Recommended Prerequisite:

Keyboarding, ½ credit or equivalent^^

Develops proficiencies in designing, importing, and manipulating advanced text, graphics, audio, and video used in presentation management, multimedia productions, publishing systems, and emerging technologies. **Course can count for one credit of Technology Applications.**

Keyboarding (KEYBRDG) PEIMS Number: 12011500* Grade Placement:

9-10 Credit ½-1 Recommended Prerequisite: None

Develops psychomotor skill in operating the keyboard as well as achieving acceptable speed and accuracy levels; provides for instruction in formatting of basic documents for both personal and business use; provides opportunities for students to apply keyboarding skills in real-life situations; emphasizes mastery of touch control of keyboard characters, correct key stroking, and proper manipulations of operative parts and care of the machine; develops skill through a continuous program of selective practice based on diagnosis of individual needs; provides instruction in the production of

letters, manuscripts, tabulations, business communications, reports and themes, and composition at the keyboard; and also includes skill development in proofreading, spelling, word division, punctuation, and correction techniques.

Recordkeeping (RECDKPNG) PEIMS Number: 12011600* Grade

Placement: 9-12 Credit: ½-1 Recommended Prerequisite: None

Develops understanding of and skill in maintaining accurate records; includes skills used in everyday business activities both for personal and professional use; provides an opportunity to develop skills related to personal financial management as well as budgeting, financial planning, cashier's records, handling of money, and tasks common to simple office practices.

Word Processing Applications (WDPROAP) PEIMS Number: 12022800* Grade Placement: 10-12 Credit: ½-1 Prerequisite: Keyboarding, ½ credit or equivalent^^ and BCIS I Recommended Prerequisite: Business Computer Information Systems I

Improves level of proficiency in producing complex business documents; builds on knowledge of word processing concepts and designs with emphasis on the advanced formatting and production level; develops advanced word processing skills, including desktop publishing, creating templates, converting document formats, and importing existing spreadsheets and databases into word processing documents.

^^When ½ credit of Keyboarding is required, an equivalency option is available for students who indicate they have acquired the same competencies through informal keyboarding instruction. A district-developed proficiency test for

placement purposes may be used to determine if their level of competency is the equivalent of a semester of Keyboarding.

Business Education - PEIMS Codes Exploratory, High School

Course	AAR	Credit	Course Code
Business Communications	BUSCOMNS	1/2-1	12011100****
Business Computer Information Systems I	BEGBCIS1	1/2-1	12011200*
Business Support Systems	BUSSUPSY	1/2-1	12011300*
Keyboarding	KEYBRDG	1/2-1	12011500*
Recordkeeping	RECDKPNG	1/2-1	12011600*

Technical, High School

Course	AAR	Credit	Course Code
Accounting I	BEGACCT1	1/2-1	12022100*
Banking and Financial Systems	BNKFINSY	1/2	12022200****
Business Image Mgmt. & Multimedia	BUSIM/MM	1/2-1	12022300*
Business Law	BUSLAW	1/2-1	12022400****
Business Management	BUSMGMT	1/2	12022500****
Business Ownership	BUSOWNSP	1/2	12022600****
Telecommunications and Networking	TELE/NET	1/2-1	12022700*
Word Processing Applications	WRDPROAP	1/2-1	12022800*

Comprehensive or Work Based, High School

Course	AAR	Credit	Course Code
Accounting II	ADVACCT1	1/2-2	12031100*
Administrative Procedures	ADVADPR1 ADVADPR2	1/2-2 1- 2	12031200* 12031210*
Business Computer Information Systems II	ADVBCIS1	1/2-3	12031300*
Business Computer Programming	ADVBCP1 ADVBCP2	1/2-2 1- 2	12031400* 12031410*
International Business	ADVINTB1	1/2-2	12031500*****
Business Education Independent Study	BUSINDSY	1/2-1	12061100*

Teacher Record Code for Career Preparation Learning Experience

Course	AAR	Credit	Course Code
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Business Education Career Preparation I	BECP I	2-3	12099100***
Business Education Career Preparation II	BECP II	2-3	12099200***
Business Education Career Preparation III	BECP III	2 -3	12099400***
Business Computer Information Systems II	BCIS2CP	2-3	12099300***

Student Work based Learning Training Station Codes

Course	Credit	Course Code
WBL/Accounting II	2-3	12055100****
WBL/Administrative Procedures	2-3	12055200****
WBL/Business Computer Information Systems II	2-3	12055300****
WBL/Business Computer Programming	2-3	12055400****
WBL/International Business	2-3	12055500****
WBL/Business, Other	2-3	12055600****

For more information, contact:

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Family and Consumer Sciences Education

High School Courses

19 TAC Chapter 122

Family and Consumer Sciences Foundations

Personal and Family Development (PERFAMDV) 12201210*

Recommended Grade Placement: 9-12 Credit: 1 Prerequisite: None

This comprehensive laboratory course is designed to address a broad range of knowledge and skills related to personal development and management, promotion of strong families, and preparation for adult roles. Content includes a focus on interpersonal skills; decision-making; promotion of family strengths and well-being; developing positive relationships with peers; child development and care; and clothing selection and maintenance. Other studies address nutrition and dietary practices; food selection and preparation; budgeting and consumer-buying practices; and management of family housing needs. Influences of societal and technological changes, career options, and the management of multiple family, community, and career roles are included.

Career Studies (CRER-STY) 12201310*** Recommended Grade**

Placement: 10-12 Credit: ½-1 Prerequisite: None

This comprehensive course provides opportunities to explore factors influencing career choices and demonstrate employability skills that lead to career success. Content includes career opportunities in child development and early childhood education, family studies and human services, consumer and resource management, the hospitality industry, the textiles and apparel industries, environmental design, the family and consumer sciences profession, and nutrition and wellness/food science and technology. Hands-on experiences in the occupationally specific training areas may be provided.

Family and Career Management (FAM&CRER) 12201410*****

Recommended Grade Placement: 11-12 Credit: ½

Prerequisite: None

This comprehensive course emphasizes preparation for family and career roles, effective management, and personal and career effectiveness. Topics include managing family, community, and career roles; impact of technology on the workforce and the family; correlation of personal and family strengths to employment opportunities; interpersonal skills; and personal characteristics that lead to career and personal success. Other topics include health-related issues affecting employees, nutrition management, ethical and legal practices in the workplace, financial and time management, wardrobe planning and maintenance, and housing considerations and management.

Family and Consumer Sciences Production, Management, and Services

PL/Family and Consumer Sciences Production, Management and Services I (FCS-PMS-1) 12210321*

PL/Family and Consumer Sciences Production, Management and Services II (FCS-PMS-2) 12210322*

Recommended Grade Placement: 11-12 Credit: 2-3 Recommended

Prerequisites: Related technical courses preparatory to the training opportunity

Family and Consumer Sciences Production, Management, and Services provides the opportunity to locally develop a student's course of study by selecting essential knowledge and skills from two or more SBOE-approved family and consumer sciences occupationally specific courses of study. Content training may be provided in the following areas: services for older adults; child care and guidance, management, and services; food production, management, and services; hospitality services; institutional maintenance management and services; textile and apparel production, management, and services; and housing, furnishings, and equipment production, management, and services.

Family Studies and Human Services

Individual and Family Life (INDV&FAM) 12202210* Recommended

Grade Placement: 10-12 Credit: ½ Prerequisite: None

This technical course is designed to focus on personal development, interpersonal relationships, effective individual and family functioning, and career preparation - all within a changing society. The course addresses personal identity, responsibilities of living as an independent adult, relationship development outside the family, and factors related to marital success. Special attention is focused on understanding the roles, responsibilities, and impact of the family on individuals and society; promoting and strengthening the family unit; and managing multiple family, community, and career roles.

Family Health Needs (FAM-HLTH) 12202310***** Recommended Grade

Placement: 10-12 Credit: ½ Prerequisite: None

This technical course focuses on health and wellness of family members, management of family health needs, special health needs and issues impacting the family and its members, and career preparation. Promoting good health and wellness for family members across the life span is examined through dietary practices, stress management, home sanitation, and environmental and safety hazard prevention in the home. Laws and legal issues affecting families and their health, managing multiple adult roles, and family health care resources, services, and costs meeting requirements of older family members and family members with special health needs are other topics addressed.

Child Development, Education, and Services

Preparation for Parenting (PREP-PAR) 12203210* Recommended
Grade Placement: 10-12 Credit: ½ Prerequisite: None

This technical laboratory course is designed to provide individuals opportunities to develop knowledge and skills in preparation to function effectively in the role of parent

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or caregiver. Content stresses parental responsibilities; child guidance techniques; parents as positive role models; parents as their children's first teacher; and parenting practices which promote a child's development, health, safety, and well-being. Managing family crises, managing multiple roles of family members throughout the life cycle, and career preparation are additional topics.

Child Development (CHLD-DEV) 12203310* Recommended Grade
Placement: 10-12 Credit: ½ Prerequisite: None

This technical laboratory course is designed to focus on knowledge and skills related to the development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include characteristics of quality child care, career options related to the care and education of children, and the management of multiple community and family roles.

Child Care and Guidance, Management and Services*

PL/Child Care and Guidance, Management, and Services I (CHD-CR-I) 12203421*
PL/Child Care and Guidance, Management, and Services II (CHD-CRII) 12203422* Recommended Grade Placement: 11-12 Credit: 2-3
Recommended Prerequisites: Nutrition and Food Science, as well as Child Development

This course provides occupationally-specific training designed to develop knowledge and skills for employment in the area of child care and guidance. Content includes business management procedures, safety, sanitation, influences on child growth and development, interactions impacting children's behavior, and techniques for providing care and guidance for children. Also addressed are legal considerations; careers related to the care and education of children; technology applications; and managing multiple family, community, and career roles.

Nutrition and Wellness, Food Science and Technology

Nutrition and Food Science (NU&FDSCI) 12204210* Recommended
Grade Placement: 10-12 Credit: ½ Prerequisite: None

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This technical laboratory course concentrates on nutrition, food choices, and food management skills for individuals and the family throughout the life cycle.

Instruction addresses nutrition and food science from the perspective of food habits and wellness; menu planning; special dietary needs; food costs and budgeting; consumer food-buying strategies; food safety and sanitation procedures; food labels; technology implications; and food handling, storage, and preparation practices. Meal etiquette; career options; and techniques for managing multiple family, community, and career roles are part of the content.

Food Science and Technology (FDSCI&TK) 12204310*

Recommended Grade Placement: 10-12 Credit: ½ Recommended Prerequisite: Nutrition and Food Science

This technical laboratory course provides foundational training in the area of food science and technology. Content addresses food science principles; nutrition and wellness; food technology; world food supply; managing multiple family, community, and career roles; and career options in nutrition, food science, and food technology. Instructional topics include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food product quality, technologies used in food processing and product development, food safety and sanitation standards, market research, legal issues, and food policies. Laboratory activities utilizing research methods related to current issues in food science, technology, and nutrition are included.

Hospitality

Food Production, Management, and Services

PL/Food Production, Management, and Services I (FDPMS-I) 12205221*

PL/Food Production, Management, and Services II (FDPMS-II) 12205222*

Recommended Grade Placement: 11-12 Credit: 2-3 Recommended Prerequisites: Nutrition and Food Science, as well as Food Science and Technology

This course provides occupationally-specific training designed to develop knowledge and skills for employment in the area of food production, management, and services. Instruction includes operation and management of foodservice establishments, marketing strategies, quantity food production skills, food presentation and service techniques, and technology applications in the foodservice industry. Legal considerations, customer service, career options, and managing multiple family, community, and career roles are contained in the content.

Hospitality Services

PL/Hospitality Services I (HOSP-I) 12205321* PL/Hospitality

Services II (HOSP-II) 12205322* Recommended Grade Placement: 11-12

Credit: 2-3 Recommended Prerequisites: Nutrition and Food Science, as well Food Science and Technology

This course provides occupationally-specific training designed to develop knowledge and skills for employment in the multifaceted hospitality services industry. Emphasized are career options in the industry; managing multiple family, community, and career roles; business procedures; laws; industry technology applications; safety; sanitation; customer relations; and other knowledge and skills for employment in lodging operations and food and beverage operations. Content includes an orientation to supportive operations such as sales and marketing, quantity food production, human resources, accounting, security, and engineering.

Institutional Maintenance Management and Services

PL/Institutional Maintenance Management and Services I

(INSTMT-I) 12205421* PL/Institutional Maintenance Management and Services II (INSTMTII) 12205422* Recommended Grade Placement:

11-12 Credit: 2-3 Recommended Prerequisite: Management

This course provides occupationally-specific training designed to develop knowledge and skills for employment in the area of institutional maintenance management and services. The course addresses institutional maintenance management, safety, sanitation, institutional maintenance procedures; career options; and managing multiple family, community, and career roles. Other topics include business procedures and finances, laws, client relationships, materials storage and use, environmental issues, and technology applications.

Consumer and Resource Management

Management (MANAGEMENT) 12206210* Recommended Grade Placement: 10-12 Credit: ½ Prerequisite: None

This technical course encompasses material on the management process, management of resources, managing multiple roles within the life span, and career options and preparation. Content stresses knowledge and skills related to decision-making, problem-solving, and goal-setting as management tools. Also addressed are

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effective practices for managing a wide range of resources including time, energy, environmental and financial resources; as well as technology, community, and human resources.

Research

Independent Study in Family and Consumer Sciences Education

(INDSTY-H) 12209210* Recommended Grade Placement: 12 Credit: ½-1 Prerequisites: Completion of at least three courses in a family and consumer sciences coherent sequence

This course provides for a school-based independent study project developed by the student and conducted under the supervision of the teacher and a mentor from an industry related to the project focus. The project provides opportunities for the student to apply multiple skills to plan and conduct research in family and consumer sciences including application of the scientific method of investigation, data collection, and data analysis. The project is presented to a review panel that includes professionals in the field of project focus. The student's ability to utilize a variety of resources, technologies, reporting formats, interpersonal skills, and communication skills should be demonstrated in the development and presentation of the project. This activity meets one of the Distinguished Achievement Program advanced measures.

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Family and Consumer Sciences Education – PEIMS Codes

Foundations, High School

Course	AAR	Credit	Course Code
Personal and family Development	PERFAMDV	1	12201210*
Career Studies	CRER-STY	1/2 - 1	12201310*****
Family and Career Management	FAM&CRER	1/2	12201410*****

Family Studies and Human Services, High School

Course	AAR	Credit	Course Code
Individual and Family Life	INDV&FAM	1/2	12202210*
Family Health Needs	FAM-HLTH	1/2	12202310*****
Services for Older Adults I	SRVADT-I	2-3	12202421*
Services for Older Adults II	SRVADTII	2-3	12202422*

Child Development, Education, and Services, High School

Course	AAR	Credit	Course Code
Preparation for Parenting	PREP-PAR	1/2	12203210*

Child Development	CHLD-DEV	1/2	12203310*
Child Care and Guidance, Management, and Services I	CHD-CR-I	2-3	12203421*
Child Care and Guidance, Management, and Services II	CHD-CR-II	2-3	12203422*

Nutrition and Wellness, Food Science and Technology, High School

Course	AAR	Credit	Course Code
Nutrition and Food Science	NU&FDSCI	1/2	12204210*
Food Science and Technology	FDSCI&TK	1/2	12204310*

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Hospitality, High School

Course	AAR	Credit	Course Code
PL/Food Production, Management, and Services I	FDPMS-I	2-3	12205221*
PL/Food Production, Management, and Services II	FDPMS-II	2-3	12205222*
PL/Hospitality Services I	HOSP-I	2-3	12205321*
PL/Hospitality Services II	HOSP-II	2-3	12205322*
PL/Institutional Maintenance Management and Services I	INSTMT-I	2-3	12205421*
PL/Institutional Maintenance Management and Services II	INSTMT-II	2-3	12205422*

Consumer and Resource Management, High School

Course	AAR	Credit	Course Code
Management	MANAGEMENT	1/2	12206210*

Consumer and Family Economics	CONS-ECO	1/2	12206310*
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Textiles and Apparel, High School

Course	AAR	Credit	Course Code
Apparel	APPAREL	1/2	12207210*
Textile and Apparel Design	TXT- DSGN	1/2	12207310*
PL/Textile and Apparel Production, Management, and Services I	TXT&AP-I	2-3	12207421*
PL/Textile and Apparel Production, Management, and Services II	TXT&APII	2-3	12207422*

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Environmental Design, High School

Course	AAR	Credit	Course Code
Housing	HOUSING	1/2	12208210*
Interior Design	INTR-DSG	1/2	12208310*
PL/Housing, Furnishings, and Equipment Production, Management, and Services I	HOUPMS- I	2-3	12208421*
PL/Housing, Furnishings, and Equipment Production, Management, and Services II	HOUPMSII	2-3	12208422*

Research. High School

Course	AAR	Credit	Course Code
Independent Study in Family and Consumer Sciences Education	INDSTY- H	1/2-1	12209210*

High School

Course	AAR	Credit	Course Code
PL/Home Economics Production, Management, and Services II	FCS-PMS2	2-3	12210321*
PL/Home Economics Production, Management, and Services II	FCS-PMS2	2-3	12210322*

Teacher Record Code for Career Preparation Learning Experience

Course	AAR	Credit	Course Code
Family and Consumer Sciences Career Preparation I	FCSCP-I	2-3	12290001***
Family and Consumer Sciences Career Preparation II	FCSCP-I	2-3	12290002***
Family and Consumer Sciences Career Preparation II	FCSCP-I	2-3	12290003***

Student Work Based Learning Training Station Codes

Course	Credit	Course Code
WBL/Services for Older Adults	2-3	12290249****
WBL/Child Care and Guidance, Management, and Services	2-3	12290349****
WBL/Food Production, Management, and Services	2-3	12290529****
WBL/Hospitality Services	2-3	12290539****
WBL/Institutional Maintenance Management and Services	2-3	12290549****
WBL/Textile and Apparel Production, Management, and Services	2-3	12290749****

WBL/Housing, Furnishings, and Equipment Production, Management, and Services	2-3	12290749****
WBL/Family and Consumer Sciences Production, Management, and Services	2-3	12290749****

For more information, contact:

**Diane Salazar Family and Consumer Sciences Education Texas
Education Agency 1701 North Congress Austin, Texas 78701
(512) 463-9581**

Technology Education
High School Courses
19 TAC Chapter 123

Computer Applications (CA) 12341470* Grade Placement: 9-12 Credit: 1
Prerequisite: None

An exploratory course designed to explore the use of computers in the communication; construction; energy, power, and transportation; and manufacturing fields. Activities may include, but are not limited to, computer numerical control, programming, computer-aided design and drafting; telecommunications; desktop publishing; 3-D design and animation; developing multimedia presentations; CNC programming; and microprocessor programming. *This course is approved for Technology Applications credit.*

Marketing Education

High School Courses

19 TAC Chapter 124

Advertising (ADVERT)

12422030* Grade Placement: 10-12 Credits: 1/2 - 1 Prerequisite: None

A technical course which focuses on the concepts and skills associated with the dynamic advertising industry. Students will learn the goals and objectives of advertising, identify and analyze advertisements, select media, and develop advertisements.

Entrepreneurship (ENTREPR) 12411920***** Grade Placement: 9-12

Credits: 1/2 - 1 Prerequisite: None

A course designed to provide a foundation to plan, design, and start a profitable business venture. A recommended component of this course is the development of a plan for a new business.

Fashion Marketing (FASHMKT) 12421050* Grade Placement: 10-12

Credits: 1/2 - 3 Prerequisite: None

A specialized course for students who have a career interest in apparel and/or accessories marketing. Instruction will cover all aspects of the industry. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Food Marketing (FOODMKT) 12421051* Grade Placement: 10-12 Credits: 1/2 - 3 Prerequisite: None

A specialized course for students who have a career interest in the food marketing/grocery industry. Instruction will include all aspects of the industry. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Hotel Management (HOTELMGT) 12421052* Grade Placement: 10-12 Credits: 1/2 - 3 Prerequisite: None

A specialized course for students who have a career interest in the management aspects of the lodging/convention services industry. Instruction will include all aspects of the industry. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

International Marketing (INTLMKT) 12422031* Grade Placement: 10-12 Credits: 1/2 - 1 Recommended Prerequisite: Principles of Marketing

A technical course designed for students with an interest in global or multinational marketing. Instruction includes money exchange, political and social influences, and cultural norms. The process of strategic planning for global or multinational marketing is explored.

Marketing Dynamics (MKTDYN) 12441140* Grade Placement: 11-12 Credits: 1-3 Prerequisite: None

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An occupationally specific course designed to focus on the study of marketing concepts and principles and their practical applications. Students will gain a working knowledge of the marketing concept and its application. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Marketing Education Independent Study (MEINDEP) 12461260* Grade Placement: 11 or 12 Credit: 1/2 - 1 Prerequisite: Completion of at least three courses in a marketing education coherent sequence

A project-based learning experience developed by a student or group of students and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the marketing field. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of a project. This activity meets one of the Distinguished Achievement Program measures.

Marketing Management (MKTMGT) 12441241* Grade Placement: 11-12 Credits: 1-3 Recommended Prerequisite: Principles of Marketing or Marketing Dynamics

An advanced marketing course with an emphasis on developing decision-making skills. The development of a marketing research project is a recommended

component. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Marketing Yourself (MKTSELF) 12411910* Grade Placement: 9-12

Credit: 1/2 Prerequisite: None

An introductory course designed as a portfolio-based personal development course for all students. Students will develop a systematic approach for evaluating and seeking career opportunities by discovering how personal qualities relate to successful

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performance.

Principles of Marketing (PRINMKT) 12411921***** Grade Placement: 9-

12 Credit: 1/2 - 1 Prerequisite: None

An exploratory course designed to focus on each of the functions of marketing, their relationships, and the marketing process for goods, services, and ideas. Students will apply these principles and concepts in marketing and non-marketing careers.

Professional Selling (PROFSELL) 12422032* Grade Placement: 10-12

Credit: 1/2 - 1 Prerequisite: None

A course designed to examine the process of making informative and persuasive presentations. Topics include identifying potential audiences, overcoming objections, and techniques used to close a sale, as well as skills for building effective relationships. Students will master persuasive communication techniques.

Retailing (RETAIL) 12411922***** Grade Placement: 9-12 Credit: 1/2 - 1

Prerequisite: None

An exploratory course designed to explore marketing activities performed by businesses that sell goods and services to consumers. The course focuses on the management and operational aspects of a retail business.

Restaurant Management (RESTMGT) 12421053* Grade Placement: 10-

12 Credits: 1/2 - 3 Prerequisite: None

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A specialized course designed for students who have a career interest in the management aspects of the food service industry. Instruction will include all aspects of the industry. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Services Marketing (SERVMKT) 12421054* Grade Placement: 10-12

Credits: 1/2 - 3 Prerequisite: None

A specialized course for students interested in careers that provide services in areas such as accounting, engineering, financial, medical, and technical. Students will focus on the interaction of customer and service provider, service

pricing, and other functions specific to services marketing. Topics include intangible service features, emerging technologies affecting services, and service strategies. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

Technology In Marketing (TECHMKT) 12422033* Grade Placement: 10-12 Credit: 1/2 - 1 Recommended Prerequisite: Proficiency with integrated software

A course designed to prepare students to use computers and other technology in research, decision-making, production, and presentation applications for marketing. Students will apply current technology to marketing functions while participating in marketing-related projects.

Travel and Tourism Marketing (TRAVTOUR) 12421055* Grade Placement: 10-12 Credits: 1/2 - 3 Prerequisite: None

A specialized course for students who have a career interest in the travel and tourism industry. Instruction will include all aspects of the industry. The number of credits earned will depend on whether the classroom instruction includes a work-based component.

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Marketing Education – PEIMS Codes

Introductory, High School

Course	AAR	Credit	Course Code
Marketing Yourself	MKTSELF	1/2	12411910*

Exploratory, High School

Course	AAR	Credit	Course Code
Entrepreneurship	ENTREPR	1/2-1	12411920*****
Principles of Marketing	PRINMKT	1/2-1	12411921*****
Retailing	RETAIL	1/2-1	12411922*****

Technical, High School

Course	AAR	Credit	Course Code
Advertising	ADVERT	1/2-1	12422030*

International Marketing	INTLMKT	1/2-1	12422031*
Professional Selling	PROFSELL	1/2-1	12422032*
Technology in Marketing	TECHMKT	1/2-1	12422033*

Comprehensive, High School

Course	AAR	Credit	Course Code
Marketing Dynamics	MKTDYN	1-3	12441140*
Marketing Management	MKTMGT	1-3	12441241*

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Specialized, High School

Course	AAR	Credit	Course Code
Fashion Marketing	FASHION	1/2-3	12421050*
Food Marketing	FOODMKT	1/2-3	12421051*
Hotel Management	HOTELMGT	1/2-3	12421052*
Restaurant Management	RESTMGT	1/2-3	12421053*
Services Marketing	SERVICE	1/2-3	12421054*
Travel and Tourism Marketing	TRAVTOUR	1/2-3	12421055*

Research, High School

Course	AAR	Credit	Course Code
Marketing Education Independent Study	MEINDEP	1/2-1	12461260*

Teacher Record Code for Career Preparation Learning Experiences

Course	AAR	Credit	Course Code
Marketing Education Career Preparation I	ME1CP	2-3	12421555***

Marketing Education Career Preparation II	ME2CP	2-3	12421556***
Marketing Education Career Preparation III	ME3CP	2-3	12421557***

Student Work Based Learning Training Station Codes

Course	Credit	Course Code
WBL/Fashion Marketing	2-3	12455150***
WBL/Food Marketing	2-3	12455151***
WBL/Hotel Management	2-3	12455152***

WBL/Restaurant Management	2-3	12455153***
WBL/Services Marketing	2-3	12455154***
WBL/Travel and Tourism	2-3	12455155***
WBL/General Merchandising	2-3	12455156***
WBL/Marketing, other	2-3	12459999***

For more information, contact:

**Lucy Ybarra Marketing Education Texas Education Agency 1701
North Congress Austin, Texas 78701 (512) 463-9581**

Trade and Industrial Education
High School Courses
19 TAC Chapter 125

Communications and Media Systems

Engineering Computer-Aided Drafting I (ECAD)

12511701*

Engineering Computer-Aided Drafting II (ECAD2)

12511702*

Advanced Computer-Aided Drafting III (ACAD3)

12511703* Grade Placement: 11-12 Credits: 2-3 Recommended Prerequisites: Introduction to Construction Careers and Introduction to Computer-Aided Drafting First-year instruction is designed to focus on drawing orthographic views and developments using computer software applications for architectural, electronic, and electro-mechanical drafting. Second-year instruction enhances skills and knowledge in computer software application for architectural, electronic, and electro-mechanical drafting. Third-year advanced instruction covers working detail drawings with proper dimensions and tolerances. Standard symbols, stock shapes and descriptions covered and applied to fabrication and forming drawings. This course may be taken for more than one year.

Computer Graphics and Machine Drafting (CGMD)

12511704* Grade Placement: 12 Credits: 2 Recommended Prerequisite:

Introduction to Computer-Aided Drafting

A technical laboratory course designed to focus on the concepts and skills associated with computer-assisted drafting, such as the creation and view of three-dimensional objects, plot drawings, plus concepts and skills associated with machine drafting.

Technical Introduction to Computer-Aided Drafting (TICAD)

12511705* Grade Placement: 11-12 Credits: 1/2 - 1 Recommended Prerequisite:

Introduction to Construction Careers

This is a beginning technical laboratory course designed to provide an academically stimulating environment for students interested in and desiring to begin computer-aided drafting. Instruction includes computer hardware, CAD software, and technical drawings and problems generated and solved by using CAD. The interrelated human, scientific, and technological dimensions of CAD are examined using the resources of mathematics, science, and design skills used commonly in CAD-related careers. This course can be part of an articulated Tech-Prep process with appropriate approval.

Introduction to Graphic Communications Careers (IGCC)

12511905* Grade Placement: 9-12 Credits: 1/2 - 1 Recommended Prerequisite: None

A cluster course designed to provide a broad basic understanding of career opportunities, training requirements and minimal skills in four graphic communications-related careers_ graphic communications, advertising design, drafting, and commercial photography.

Drafting I (DRFT)

12512101*

Drafting II (DRFT2)

12512102* Grade Placement: 10-12 Credits: 1/2 - 3 Recommended Prerequisite: Introduction to Construction Careers

A course designed to provide job-specific training for entry-level employment in drafting careers. First-year instructional emphasis is on sketching, lettering, dimensioning, and line development; use of descriptive geometry; development of electrical and electronic drawings; mechanical, welding, and architectural drawings; and fundamentals of CAD. Second-year instruction enhances skill development for entry-level employment in engineering and drafting careers.

Introduction to Construction Careers (ICC)

12522707* Grade Placement: 9-12 Credits: 1/2-1 Recommended Prerequisite: None

A cluster course designed to provide a basic understanding of career opportunities, training requirements, and minimal skills in seven construction-related careers_ heating, ventilation, air-conditioning, and refrigeration (HVACR), bricklaying/stone masonry, carpentry, electrical trades, painting and decorating, plumbing/pipefitting, and industrial/heavy construction.

Electrical-Electronics Systems

Computer Maintenance Technician I (CTRMTN)

12534502* Computer Maintenance Technician II (CTRMTN2)

12534503* Grade Placement: 10-12 Credits: 2-3 Recommended Prerequisites: Introduction to Electrical/Electronics Careers and Introduction to Computer Maintenance

First-year instruction is designed to provide job-specific training for entry-level employment in the rapidly expanding computer maintenance field. Instruction includes electricity/electronic theory, computer systems, data-communications, digital electronics, installations, inspections, adjustments, and repair and maintenance. Second-year instruction is designed to enhance the job-specific training for entry-level employment.

Introduction to Computer Maintenance (ICM)

12534504* Grade Placement: 9-12 Credit: 1/2 - 1 Recommended Prerequisite: Introduction to Electrical/Electronics Careers

This course focuses on the assembly and disassembly of modern computer systems. The study of electronic theory necessary to perform basic system maintenance will be included. The operation and checkout of system board circuitry, monochrome and color monitors, disk drive systems, computer architecture, and schematic diagrams will be presented. An introduction to DOS software installation and the use of DOS in troubleshooting system abnormalities will be integrated with basic electronics and hardware needed to properly diagnose malfunctions.

Introduction to Electrical/Electronics Careers (IEEC)

12534704* Grade Placement: 9-12 Credit: 1/2-1 Recommended Prerequisite: None

A cluster course designed to provide broad introductory skills and a basic understanding of career opportunities and training requirements in six electrical/electronics-related careers_ communications electronics, electrical motor repair, business machine repair, major appliance service technology, industrial electronics, and computer maintenance electronics.

Building Trades I (BLDGTR)

12522703* Building Trades II (BLDGTR2)

12522704* Building Trades III (BLDGTR3)

First-year instruction is designed to provide job-specific training for entry-level employment in construction-related careers_ carpenter, bricklayer/stone mason, electrician, plumber, painter and decorator. Second-year instruction is designed to enhance entry-level training and employment in one of the five construction-related areas. Third-year advanced instruction is designed to offer seniors the opportunity to study, in-depth, aspects of the building/construction trades industry, such as blueprint reading/specifications, site preparation and layout, cabinetry and millwork, building construction, electricity and electrical wiring.

Emphasis may be placed on industrial/heavy construction-related careers in such additional areas as form setting, framing, load rigging, and cutting.

**Trade and industrial Education –PEIMS Codes
Communications and Media Systems, High School**

Course	AAR	Credit	Course Code
Advertising Design I	ADVDSGN	2-3	12510901*
Advertising Design II	ADVDSGN2	2-3	12510902*
Advertising Design III	ADVDSGN3	2-3	12510903*
Introduction to Advertising	IA	½-1	12510904*
Architectural Blueprints and Specifications	ABS	½-1	12522701*
Architectural Materials	ARCMTLS	½-1	12522702*
Architectural Drafting I	AD1	2-3	12511101*
Architectural Drafting II	AD2	2-3	12511102*
Engineering and Architectural Drafting	EAD	2	12511103*
Commercial Photography I	CMSLPHTO	2-3	12511501*
Commercial Photography II	CMSLPHT2	2-3	12511502*
Engineering Computer-Aided Drafting I	ECAD	2-3	12511701*
Engineering Computer-Aided Drafting II	ECAD2	2-3	12511702*
Advanced Computer-Aided Drafting III	ACAD3	2-3	12511703*
Computer Graphics and Machine Drafting	CGMD	2	12511704*
Technical Introduction to Computer-Aided Drafting	TICAD	½-1	12511705*
Animation I	ANI	1-2	12534801*
Animation II	ANI2	1-2	12534802*
Animation III	ANI3	1-2	12534803*
Computerized Typesetting	CT	2	12511901*
Desktop Design	DD	½-1	12511902*
Graphic Arts I	GRARTS	2-3	12511903*
Graphic Arts II	GRARTS2	2-3	12511904*
Introduction to Graphic Communications Careers	IGCC	½-1	12511905*
Technical Introduction to Desktop Publishing	TIDP	½-1	12511906*
Introduction to Visual Communication Processes	IVCP	½-1	12512305*
Drafting I	DRFT	2-3	12512101*
Drafting II	DRFT2	2-3	12512102*

Media Technology I	MEDTECH	2-3	12512301*
Media Technology II	MEDTECH2	2-3	12512302*
Media Technology Spanish	MTSPAN	2-3	12512303*
Introduction to Media Technology	IMT	½-1	12512304*
Technology Communications, Art and Design	TCAD	½-1	12546502*

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Construction-Maintenance Systems, High School

Course	AAR	Credit	Course Code
Building Maintenance I	BLDGMT	2-3	12522501*
Building Maintenance II	BLDGMT2	2-3	12522502*
Building Trades I	BLDGTR	2-3	12522703*
Building Trades II	BLDGTR2	2-3	12522704*
Building Trades III	BLDGTR3	2-3	12522705*
Concrete Laying and Finishing	CLF	2-3	12522706*
Introduction to Construction Careers	ICC	1/2 - 1	12522707*
Painting and Decorating	PT&DEC	2-3	12522708*
Electrical Trades I	ELTTR	2-3	12522901*
Electrical Trades II	ELTTR2	2-3	12522902*
Heating, Ventilation, Air-Conditioning and Refrigeration I	A-CREF	2-3	12523101*
Heating, Ventilation, Air-Conditioning and Refrigeration II	A-CREF2	2-3	12523102*
Bricklaying/Stone Masonry I	B/SM	2-3	12523301*
Bricklaying/Stone Masonry II	B/SM2	2-3	12523302*
Mill and Cabinetmaking I	MIL&CAB	2-3	12523501*
Mill and Cabinetmaking II	MIL&CAB2	2-3	12523502*
Piping Trades/Plumbing I	PT/P	2-3	12523701*
Piping Trades/Plumbing II	PT/P2	2-3	12523702*

Electrical-Electronics Systems, High School

Course	AAR	Credit	Course Code
Business Machine Repair I	BSMCHRPR	2-3	12534301*
Business Machine Repair II	BSMCHRP2	2-3	12534302*

Computer Cabling and Design	CCD	2-3	12534501*
Computer Maintenance Technician I	CTRMTN	2-3	12534502*
Computer Maintenance Technician II	CTRMTN2	2-3	12534503*
Introduction to Computer Maintenance	ICM	1/2 - 1	12534504*
Electronics I	INDELEC	2-3	12534701*
Electronics II	INDELEC2	2-3	12534702*
Electronics III	INDELEC3	2-3	12534703*
Introduction to Electrical/Electronics Careers	IIEEC	1/2 - 1	12534704*
Major Appliance Service Technology I	MAPPRPR	2-3	12534901*
Major Appliance Service Technology II	MAPPRPR2	2-3	12534902*
AC/DC Electronics/Computer Systems	ACDCECS	2	12547101*
AC/DC Electronics/Digital Logic Functions	ACDCDLS	2	12547102*
Alternating Current Electronics	ACE	2	12547103*
Digital Logic Circuits	DIGCIR	2	12547104*

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Digital Logic Electronic Circuit Technology	DLC	2	12547105*
Direct Current Electronics	DCE	2	12547106*
Semiconductor Electronics Technology	SE	2-3	12547107*
Solid State Devices and Analog Circuit Technology	SOLST	2-3	12547108*
Fundamentals of Telecommunications	FOT	1/2 - 1	12535101*
Telecommunications Technology I	TT	1	12535102*
Telecommunications Technology II (Electronics)	TELELEC	1	12535103*
Telecommunications Technology III (Manufacturing)	INTTECH	1	12535104*
Telecommunications Technology IV (Systems)	TELESYS	1	12535105*

Industrial and Manufacturing Systems, High School

Course	AAR	Credit	Course Code
Industrial Ceramics	INDCER	2-3	12545301*
Foundry Operations	FO	1-2	12545501*
Hydraulics and Pneumatics	HD&PNEU	1-2	12545701*

Technical Introduction to Instrumentation	TINTINS	1/2 - 1	12545901*
Instrumentation I	INST	1/2 - 1	12545902*
Instrumentation II	INST2	1/2 - 1	12545903*
Physics of Instrumentation	POINST	1/2 - 1	12545904*
Petrochemical Laboratory Technician	PCHEMLT	1/2 - 1	12546101*
Petrochemical Process Technology	PCPT	1/2 - 1	12546102*
Plant Maintenance	PLTMNT	2-3	12546301*
Technical Introduction to Engineering Systems	TIES	1/2 - 1	12546501*
Plant Processes	PLTPRO	2-3	12546503*
Vocational Plastics I	VOPLS	2-3	12546701*
Vocational Plastics II	VOPLS2	2-3	12546702*
Power Technology	PWRTEC	1/2 - 1	12546504*
Quality Control I	QC	2-3	12546901*
Quality Control II	QC2	2-3	12546902*

Metal Technology Systems, High School

Course	AAR	Credit	Course Code
Machine Shop I	MCHSHOP	2-3	12557301*
Machine Shop II	MCHSHOP2	2-3	12557302*
Introduction to Precision Metals	IPMMC	1/2 - 1	12557303*

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Manufacturing Careers			
Metal Trades I	MTLTR	2-3	12557501*
Metal Trades II	MTLTR2	2-3	12557502*
Sheet Metal I	SHTMTL	2-3	12557701*
Sheet Metal II	SHTMTL2	2-3	12557702*
Welding I	WLDNG	2-3	12557901*
Welding II	WLDNG2	2-3	12557902*

Personal and Protective Service Systems, High School

Course	AAR	Credit	Course Code
Cosmetology I	CSMT	2-3	12568101*
Cosmetology II	CSMT2	2-3	12568102*
Introduction to Cosmetology	ICOSM	1/2 - 1	12568103*
Salon Entrepreneurship	SALONE	2-3	12568104*
Introduction to Upholstery/Furniture Repair	IUFR	1/2 - 1	12568501*
Upholstery/Furniture Repair I	U/FR	2-3	12568502*
Upholstery/Furniture Repair II	U/FR2	2-3	12568503*
Basic County Corrections Officer	BCCO	1/2 - 1	12568701*
Correctional Systems and Practices	CORS&P	1/2 - 1	12568702*
Courts and Criminal Procedure	CCP	1/2 - 1	12568703*****
Crime in America	CAM	1/2 - 1	12568704*****
Criminal Investigation	CRIMINV	1/2 - 1	12568705*
Emergency Communications	ECOM	1/2 - 1	12568706*
Fundamentals of Criminal Law	FUNCRLA	1/2 - 1	12568707*
Technical Introduction to Criminal Justice	TICJ	1/2 - 1	12568708*****
Introduction to Security Services	ISS	1/2 - 1	12568709*
Security Services	SECOP	1/2 - 1	12568710*

Transportation Systems, High School

Course	AAR	Credit	Course Code
Aerospace Aviation Technology I	AEROAV	1/2 - 1	12578901*
Aerospace Aviation Technology II	AEROAV2	1/2 - 1	12578902*
Aircraft Mechanics I	ACRFTMCH	2-3	12578903*
Aircraft Mechanics II	ACRFTMCH2	2-3	12578904*
Aircraft Mechanics III	ACRFTMCH3	2-3	12578905*
Automotive Specialization	AUTOSPEC	1-2	12579101*
Automotive Technician I	AUTOTECH	2-3	12579102*
Automotive Technician II	AUTOTEC2	2-3	12579103*
Introduction to Transportation Services Careers	ITSC	1/2 - 1	12579104*

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Transportation Service Technician	TRNSERTN	2-3	12579105*
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Automotive Collision Repair and Refinishing Technology I	ACRRT	2-3	12579301*
Automotive Collision Repair and Refinishing Technology II	ACRRT2	2-3	12579302*
Diesel Mechanics I	DSLSMECH	2-3	12579501*
Diesel Mechanics II	DSLSMEC2	2-3	12579502*
Marine Engine Repair I	MRNENG	2-3	12579701*
Marine Engine Repair II	MRNENG2	2-3	12579702*
Marine Related Occupations	MRNRO	2-3	12579703*
Small Engine Repair I	SMEGRPR	2-3	12579901*
Small Engine Repair II	SMEGRPR2	2-3	12579902*

Research, High School

Course	AAR	Credit	Course Code
Trade and Industrial Education Independent Study	(TIIS)	1/2	12580001*

All Systems, High School

Course	AAR	Credit	Course Code
Introduction to Apprenticeship Training	IAT	2-3	12580000

Teacher Record Codes for Career Preparation Learning Experiences

Course	AAR	Credit	Course Code
Trade and Industrial Education Career Preparation I	TICP	2-3	12585001***
Trade and Industrial Education Career Preparation II	TICP2	2-3	12585002***
Trade and Industrial Education Career Preparation III	TICP3	2-3	12585003***
Salon Entrepreneurship Career Preparation	SALONE	2-3	12568104***

Student Work Based Learning Training Station Codes

Course	Credit	Course Code
WBL/Communications and Media Systems	2-3	12510176****
WBL/Construction-Maintenance Systems	2-3	12520177****
WBL/Electrical-Electronic Systems	2-3	12530178****
WBL/Industrial and Manufacturing Systems	2-3	12540179****
WBL/Metal Technology Systems	2-3	12550180****
WBL/Personal and Protective Service Systems	2-3	12560181****
WBL/Transportation Systems	2-3	12570182****

**For more information, contact:
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