Career and Technology electives offer students an opportunity to experience work skill courses to determine if further study is desired or to select a sequential series of courses designed to provide a strong foundation in one particular career field. Careers have been grouped by the U.S. Department of Labor into Career Clusters based on similarities in skills needed to succeed in that career field. AISD has taken each of the career clusters and organized courses into career pathways that will provide a strong foundation in that specific career concentration. The technical aspect of many of the work skills has also allowed for the awarding of college credit through the Tech-Prep program. The unique component of the Career Pathway courses is the availability of work-based learning opportunities. In these programs students attend classes on campus and report to their worksite for real world application of the learned skills.

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Students are urged to take the pathway courses in a coherent sequence to maximize the effectiveness of the learning.

Basic  Intermediate  Advanced

In many of the pathways, college credit through Tech-Prep is dependent on following the correct coherent sequence of courses.

Your teachers and counselors will be glad to help you review your interests and skills that will help you determine what pathway to choose.
Agriculture Education — Instructional activities consisting of classroom and laboratory experiences and leadership activities are included in this comprehensive secondary program. Students can experience activities in animal husbandry, horticulture and agricultural mechanics.

AGRICULTURAL MECHANICS I
TEA #11934422  8958R
GRADE: 11-12  CREDIT: 2
PREREQUISITE: None
A pre-employment lab course that meets the equivalent of two hours per day and prepares students to select, operate, maintain, service and use power unit, machinery, equipment, structures and utilities. This course substitutes for P.E. credit. Check with your counselor, teacher to determine student requirements, if this course is offered at your campus or at another AISD campus.

AGRICULTURAL MECHANICS II
TEA #11934423  8959R
GRADE: 11-12  CREDIT: 2
PREREQUISITE: Completion of Agricultural Mechanics I
This course is a continuation of Agricultural Mechanics I. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AGRICULTURAL METAL FABRICATION TECHNOLOGY
TEA #11922322  8934R
GRADE: 9-12  CREDIT: 1
PREREQUISITE: None
This technical course is designed to develop skills in metal equipment assembly and joining processes, occupational opportunities and leadership development.

AGRICULTURAL POWER AND MACHINERY
TEA #11934421  8939R
GRADE: 11-12  CREDIT: 2
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. This course satisfies the P.E. requirement for graduation.

AGRICULTURAL POWER TECHNOLOGY
TEA #11922323  8913R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
A technical course designed to develop skills in selection, operation, and maintenance of small air-cooled engines, multi-cyl engines, hydraulic motors, electric motors, agricultural machinery and tractors. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus location.

AGRICULTURAL SCIENCE TECHNOLOGY CAREER PREPARATION I
TEA #11955501  8044R
GRADE: 11-12  CREDIT: 3
PREREQUISITE: Sixteen years of age, instructor approval, provide own transportation and have completed at least one course in an approved related coherent sequence.
This course provides classroom and on-the-job training in agribusiness occupations. Typical job placement includes occupations in horticulture, animal science, plant science, agriculture mechanics, etc. Classes meet one hour daily in the classroom and requires a minimum of 15 hours of supervised work experience weekly. Students must have taken one year of related career technology electives. This course satisfies the physical education requirement.

AGRICULTURAL SCIENCE TECHNOLOGY CAREER PREPARATION II
TEA #11955502  8125R
GRADE: 11-12  CREDIT: 3
PREREQUISITE: Sixteen years of age, instructor approval, provide own transportation and have completed at least two courses in an approved related coherent sequence.
This course provides classroom and on-the-job training in agribusiness occupations. Typical job placement includes occupations in horticulture, animal science, plant science, agriculture mechanics, etc. Class meets one hour daily in the classroom and requires a minimum of 15 hours of supervised work experience weekly. Students must have taken one year of related career technology electives. This course satisfies the physical education requirement.
AGRICULTURAL STRUCTURES TECHNOLOGY
TEA #11922321  8923R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
This technical course prepares students to maintain, evaluate, design and build agricultural structures using approved construction techniques, occupational opportunities and leadership development.

ANIMAL SCIENCE
TEA #11923332  8915R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
This course is designed to examine the interrelatedness of human, scientific, and technological dimensions of domestic animal and livestock production. Instruction is designed to expand knowledge of the scientific and technological dimensions of resources necessary for animal production.

APPLIED AGRICULTURAL SCIENCE AND TECHNOLOGY
TEA #11911102  8912R
GRADE: 9-12  CREDIT: 1/2
A basic course designed to enhance the agricultural comprehension in agricultural science; includes soils, plants, animals, agricultural construction, food science, supervised agricultural experience programs and leadership.

ENERGY AND ENVIRONMENTAL TECHNOLOGY
TEA #11921281  8902R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
This course is designed to explore the interdependence of people and natural resources with special emphasis on conservation and environmental protection, occupational opportunities and leadership development.

EQUINE SCIENCE
TEA #11923334  8917R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
A technical course designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of horses, occupational opportunities and leadership development.

FLORAL DESIGN AND INTERIOR LANDSCAPE DEVELOPMENT
TEA #11923363  8933R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
A technical course that prepares students to design, arrange flowers, foliage and related plant materials for interior locations, occupational opportunities and leadership development.

FOOD TECHNOLOGY
TEA #11921241  8909R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  Instructor's approval
This course includes world food production; processing, preparing, and packaging foods; government regulations for foods; occupational opportunities; and leadership development.

FRUIT, NUT, AND VEGETABLE PRODUCTION
TEA #11923364  8918R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  Instructor's approval
A technical course that prepares students to operate enterprise concerned with the production of fruit, nuts and vegetables, occupational opportunities and leadership development.

INTRODUCTION TO HORTICULTURAL SCIENCE AND TECHNOLOGY
TEA #11921261  8901R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE:  None
Horticulture Science is a semester course designed to introduce students to horticulture with emphasis on technical skills, entrepreneurship and occupational opportunities. Check with your counselor, teacher or college to determine student requirements, and if this course is offered at your campus or at another AISD campus.

HORTICULTURE I
TEA #11934461  8951R
GRADE: 10-12  CREDIT: 2
PREREQUISITE:  None
This pre-employment lab course prepares students to produce, process, and market horticultural plants used principally for ornamental, recreational and aesthetic purposes and to establish, maintain, and manage horticulture enterprises. Includes structures, machinery, and equipment necessary for each horticulture enterprise. Check with your counselor or teacher to determine student requirements and if this course is offered at your campus or at another AISD campus. This course satisfies the P.E. requirement for graduation.

HORTICULTURE II
TEA #11934462  8952R
GRADE: 12  CREDIT: 2
PREREQUISITE:  Horticulture I and instructor approval
This course is a continuation of Horticulture I. This course satisfies the P.E. requirement for graduation.

HOME MAINTENANCE AND IMPROVEMENT
TEA #11921222  8924R
GRADE: 9-12  CREDIT: 1/2
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, occupational opportunities and leadership development.
INTRODUCTION TO WORLD AGRICULTURAL SCIENCE AND TECHNOLOGY  
TEA #11911101  8905R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
This comprehensive course is designed to introduce beginning students to global agriculture. The course includes agricultural career development, leadership, communications and personal finance. Check with your counselor, teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

LANDSCAPE DESIGN, CONSTRUCTION AND MAINTENANCE  
TEA #11923361  8935R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
This course prepares students to design, construct and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation; occupational opportunities and leadership development.

MEAT PROCESSING I  
TEA #11934441  8976R
GRADE: 11-12  CREDIT: 2
PREREQUISITE: Instructor's approval
This pre-employment lab course meets for the equivalent of two hours per day. It prepares students for processing meat, and it addresses equipment care and sanitation, meat quality, identification, grading, fabrication, preparation and preservation and merchandising and consumer needs. This course satisfies the physical education requirement. Check with your counselor, teacher or college to determine student requirements, and if this course is offered at your campus or at a different campus location.

MEAT PROCESSING II  
TEA #11955502  8986R
GRADE: 12  CREDIT: 2
PREREQUISITE: Meat Processing I
This course in a continuation of Meat Processing I. This course is a continuation of Horticulture I. This course satisfies the P.E. requirement for graduation.

PERSONAL SKILLS DEVELOPMENT IN AGRICULTURE  
TEA #11922312  8926R
GRADE PLACEMENT: 9-12  CREDIT: 1/2
PREREQUISITE: None
This comprehensive course on agricultural leadership, citizenship and cooperation, includes topics in personal development, employee/employer relations and group and interpersonal communication skills, occupational opportunities and leadership development.

PLANT AND ANIMAL PRODUCTION  
TEA #11921231  8929R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
Students study principles of animal and plant production and the management of soils as related to agriculture.

PLANT AND SOIL SCIENCE  
TEA #11923333  8916R
GRADE: 10-12  CREDIT: 1/2
PREREQUISITE: None
Soil and Plant Science is a technical course designed to examine soil and plant relationships that affect the production of food and fiber, occupational opportunities and leadership development.

SPECIALITY AGRICULTURE  
TEA #11923331  8914R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
This technical course emphasizes selecting, producing and marketing diversified products. It includes record keeping, integrated systems, career opportunities and leadership.

WILDLIFE AND RECREATION MANAGEMENT  
TEA #11923381  8919R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
This technical course is designed to examine the importance of outdoor recreation to our economy, and the importance of wildlife management in preserving natural resources, occupational opportunities and leadership development.
BUSINESS EDUCATION

Business Education – This comprehensive program provides students with meaningful instruction both for business and about business and the implications for personal life. Major tasks emphasize developing effective oral and written communications, preparing and analyzing business records, operating appropriate equipment, utilizing software, and developing necessary knowledge and skills to interact successfully with others. Two student organizations for those enrolled in Business Education, Business Professionals of America and Future Business Leaders of America, contribute to the advancement of leadership, citizenship, personal growth, academic, and technological skills.

ADMINISTRATIVE PROCEDURES (PLE)
TEA #12031200 3801R
TEA #1203120T 3801$
GRADE: 11-12
CREDIT: 2
Recommended Prerequisites: Business Information Systems I

This occupationally specific laboratory course meets the equivalent of two hours per day. Basic concepts and skills related to office operations are practiced within the classroom setting. Application of computer skills, delivery of information and products, performance of office support responsibilities, and practice of human relation skills are emphasized. This course satisfies the physical education requirement for graduation. This course awards Tech-Prep credit.

BUSINESS COMPUTER INFORMATION SYSTEMS I
TEA #12031120 8191R - 8192R 8193R
TEA #12031120T 8193$
GRADE: 9-10
CREDIT: 1
PREREQUISITE: Keyboarding

This course introduces basic concepts and skills related to computer systems. Students apply technical skills to address business applications of emerging technologies. Special emphasis is placed on word processing, database design, electronic spreadsheet, and numeric data. Includes introductions to new, emerging information processing tools, such as telecommunications and integrated software, transporting text and images, and desktop publishing. This course satisfies the Computer Technology requirement for graduation. This course awards Tech Prep credit.

TELECOMMUNICATIONS AND NETWORKING
TEA #12022700 3826R
TEA #1202270T 3826$
GRADE: 10-12
CREDIT: 1
PREREQUISITE: Business Computer Information Systems I

This course explores the impact of global telecommunications on business and society. Characteristics of different kinds of networks will be defined, network cables will be identified, common networking protocols will be examined, and folders/hierarchical storage structures will be designed. The components of effective web page organization will be practiced and maintained. This course awards Tech-Prep credit.

BUSINESS LAW
TEA #12022400 0431R
GRADE: 11-12
CREDIT: 1/2
Recommended Prerequisite: Business Computer Information Systems I or Instructor’s approval.

This course introduces students to law and legal problems, beginning with the origin of and the necessity for our court system. It is designed to develop insight into the organizational structure and functions of our legal system from municipal through the federal courts. Content relates to contractual responsibilities and the protection of individual rights and rights of others in legal relations, including warranties, produce 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 COMPUTER INFORMATION SYSTEMS II
TEA #12031300 8195R - 8196R 8197R
TEA #1203130T 8197$
GRADE: 10-12
CREDIT: 1
Recommended Prerequisite: Business Computer Information Systems I

These courses include basic concepts and skills related to microcomputer systems. Special emphasis is placed on word processing, database design, electronic spreadsheet and numeric data. They include introduction to new, emerging information processing tools, such as telecommunications and integrated software, transporting text and images and desktop publishing. This course satisfies the Computer Technology requirement for graduation. This course awards Tech-Prep credit.
BUSINESS COMPUTER PROGRAMMING
TEA #12031400 8836R
TEA #1203140T 8836S$  
GRADE: 10-12  
CREDIT: 2  
Recommended Prerequisite: Business Computer Information Systems I  
Students analyze programming languages and operating systems and solve problems using different types and levels of programming languages. This course satisfies the Computer Technology requirement for graduation. This course awards Tech Prep credit. This course satisfies the physical education requirement.

RECORDKEEPING
TEA #12011600 0117R  
GRADE: 9-12  
CREDIT: 1/2  
Recommended Prerequisite: None  
Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students develop a record Keeping vocabulary, enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment, occupational opportunities and leadership development.

BUSINESS SUPPORT SYSTEMS
TEA #12011300 0456R  
GRADE: 10-12  
CREDIT: 1  
Recommended Prerequisite: Keyboarding  
Introduces practical business procedures; develops foundation for competent business participation and self-sufficiency in today's world; helps students develop flexibility and adaptability for the rapidly changing business environment and other skills necessary for success in the workforce. Helps students develop effective communications and information management using emerging technology, including telecommunications.

INTRODUCTION TO BUSINESS
TEA #12011400 0401R  
GRADE: 9-10  
CREDIT: 1  
Recommended Prerequisite: None  
The student will learn the economic process and relates the process to the development of an economic system, determine the role of wants and needs; define economic roles; identify factors of production and distribution and the types of economic systems with emphasis on the private enterprise system and the United States economy, occupational opportunities and leadership development.

BUSINESS COMMUNICATIONS
TEA # 12011100 0733R  
GRADE: 10-12  
CREDIT: 1  
PREREQUISITE: Keyboarding  
Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment, occupational opportunities and leadership development.

ACCOUNTING I
TEA #12022100 0123R  
TEA #1202210T 0123S$  
GRADE: 10-12  
CREDIT: 1  
Recommended Prerequisite: None  
The student demonstrates an understanding of the accounting cycle for a service business, apply basic accounting concepts and terminology demonstrate the effects of transactions on the accounting equation, for example, T accounts, prepare a chart of accounts; apply information from source documents, post general journal entries; prepare a trial balance calculate and record end-of-period adjustments update accounts through adjusting and closing entries and prepare financial statements. This course awards Tech Prep credit.

ACCOUNTING II
TEA #12031100 0133R  
TEA #1203110T 0133S$  
GRADE: 10-12  
CREDIT: 1/2  
Recommended Prerequisite: Accounting I  
The student analyzes forms of business organizations. The student is expected to identify the characteristics of business organizations, for example, proprietorship, partnership, corporation, Limited Liability Corporation, limited liability partnership, and non-profit organizations; applies the basic accounting concepts to perform advanced accounting procedures, applies accounting knowledge when making business decisions. This course awards Tech Prep credit.

BANKING / FINANCIAL SYSTEMS
TEA #12022200 0124R  
TEA #1202220T 0124S$  
GRADE: 10-12  
CREDIT: 1/2  
Recommended Prerequisites: Accounting II (1st semester)  
Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions, role of money in the modern economy and identifies the principal functions of financial institutions. This course awards Tech Prep credit.
BUSINESS IMAGE MANAGEMENT AND MULTIMEDIA

GRADE: 10-12  CREDIT: 1
PREREQUISITE: Keyboarding or Instructor approval.
The student demonstrates proficiency in developing professional oral and visual communication skills translate and interpret audio and visual materials such as charts, graphs, pictures, and maps for use in production development design and make audio-visual business presentations, identify the components and types of multimedia presentations. Analyze the cost, availability and effectiveness of layout, color, special effects, and media objects in text documents and multimedia presentations; import graphics, sound, and video objects into text documents and presentations, using CD-ROM, World Wide Web, and integrate media devices into document and presentation preparation using image management technology. This course awards Tech Prep credit.

BUSINESS OWNERSHIP

GRADE: 10-12  CREDIT: 1/2
Recommended Prerequisite: None
Provides student with a theoretical base as well as practical and proven techniques for planning, organizing, and operating a business; includes planning and strategy concepts, financial and organizational considerations, market analysis and customer development, operations management, accounting and financial controls, and other components of entrepreneurship. This course awards Tech Prep credit.

BUSINESS MANAGEMENT

GRADE: 10-12  CREDIT: 1/2
Recommended Prerequisite: None
The student will learn the 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 ethics, and develops and implements a business plan. This course awards Tech Prep credit.

BUSINESS INDEPENDENT STUDY

GRADE: 12  CREDIT: 1
Recommended Prerequisite: 2 business courses including Business Computer Information Systems I
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 a project.

BUSINESS EDUCATION CAREER PREPARATION I

GRADE: 11-12  CREDIT: 3
Recommended Prerequisites: Two business courses including Business Computer Information System I. Age 16
Provides advanced technology skills required in the business environment; includes workplace technology standards in applications of word processing, spreadsheets, databases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies; develops advanced level skills and students work off-site at a place of employment vehicle for cooperative education. This course awards Tech Prep credit. This course satisfies the physical education requirement.

BUSINESS EDUCATION CAREER PREPARATION II

Grade: 11-12  CREDIT: 3
Recommended Prerequisites: Business Career Preparation I Age 16
This is the immediate level of study to provide for Worker Based Learning Employment in the student interest in Business Career Preparation. This course awards Tech Prep credit. This course satisfies the physical education requirement.
Health Science Technology Education – A comprehensive secondary education program for students who have an interest and desire to explore health career choices. Students enhance their academic foundation through a strong science-based enrichment curriculum. Industry partnerships provide students with valuable hands-on experiences so students learn to deliver safe, effective, efficient, quality health care. Emphasis is placed on safety, communication skills, ethical and legal responsibilities, teaming, systems, and the technology utilized in health care. Opportunities for leadership and citizenship development are available through membership and participation in Health Occupations Students of America (HOSA). The student professional organization provides opportunities for leadership development, knowledge and skill recognition through the competitive events program, and community service projects.

INTRODUCTION TO HEALTH SCIENCE TECHNOLOGY
TEA #12101200 8130R
TEA #1210120T 8130$
GRADE: 9–12
CREDIT: 1
PREREQUISITE: None
This course gives the of the therapeutic diagnostic, environmental and information systems of the health care industry. The focus is on career exploration, leadership, development, ethical and legal issues and the history, economics and trends in financing health care. Students will develop a concept of health and wellness from the perspective of a health consumer as well as a potential professional in the healthcare industry. This course satisfies Health Education credit requirement for graduation. This course wards Tech prep credit.

HEALTH SCIENCE TECHNOLOGY I
TEA #12101300 8040R
TEA #1210130T 8040$
GRADE: 9–12
CREDIT: 1
PREREQUISITE: Introduction to Health Science Technology, Biology.
This course is designed to develop health-care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, first aid, and CPR. Students will learn the knowledge and skills needed to make client assessment; interpret health science technical material, describe biological and chemical processes that maintain homeostasis; identify principles of body mechanics and movement; analyze the impact of local, state, and government on the health care industry. This course prepares the students to work with health care issues and make the transition to clinical or work-based experiences in health care. This course satisfies Health Education Credit requirement for graduation. This course awards Tech Prep Credit.

HEALTH SCIENCE TECHNOLOGY II
TEA #12101400 8060R
TEA # 1210140T 8060$
GRADE: 10–12
CREDIT: 2
PREREQUISITES: Introduction to Health Science Technology, Health Science Technology I, Biology, Chemistry, Instructor Interview, age 16.
This course will develop skills in the classroom and clinical settings that comply with standard precautions and practices prescribed techniques. Student learn to maintain a safe environment, to prevent hazardous situations, follow protocol related to hazardous materials and strategies for the prevention of disease and infection. Students will perform health screenings, examinations, monitor client health status during therapeutic and diagnostic procedures, observe client during care and procedures; accurately measure and report client vital signs and other indicators of health status. This course provides for the development of multi-occupational knowledge and skill related to a wide variety of health careers. This course satisfies Physical Education Credits requirement for graduation. This course awards Tech Prep Credit.

HEALTH SCIENCE TECHNOLOGY III
TEA #12101500 8072R
TEA #1210150T 8072$
GRADE: 11–12
CREDIT: 2
PREREQUISITES: Introduction to Health Science Technology Health Science Technology I, Health Science Technology II, Chemistry, Biology, Instructor Interview, and Age 16
Student will develop advanced clinical skills necessary for the health science professions or continued post secondary education. These are occupationally specific courses designed to provide knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry or continued post secondary education in health careers. Students will learn to transfer knowledge and skills to new situations and apply problem-solving strategies, update skills to enhance employability and identify emerging technologies in the health science technology industry. This course satisfies Physical Education credits requirement for graduation. This course awards Tech Prep Credit.
HEALTH SCIENCE TECHNOLOGY
INDEPENDENT STUDY  TEA #12131320  8248R
TEA #12131320  8248H
GRADE: 11–12  CREDIT: 1
PREREQUISITES: Introduction to Health Science Technology Health Science Technology I, Health Science Technology II, Biology, Chemistry, Instructor Interview, and Age 16.
The Student will select an independent study project for personnel professional development or collaborate with an interdisciplinary team to develop a project related to the health science technology or systems under the supervision of a health science professional or teacher. Scientific methods of investigation and statistical concepts are used to analyze data, evaluate results, and draw conclusions into a coherent and organized project and presented to the appropriate audience.

HEALTH SCIENCE TECHNOLOGY CAREER
PREPARATION I  TEA #12104500  8026R
GRADE: 11–12  CREDIT: 3
This is the first level course to provide for Worker Based Learning Employment in the student interest in Health Science Technology Careers and Education. This course satisfies Physical Education credits requirement for graduation. This course awards Tech Prep Credit.

SCIENTIFIC RESEARCH AND DESIGN (HONORS)  TEA #12112120  8069R
GRADE: 11–12  CREDIT: 1
PREREQUISITE: Instructor approval. Introduction to Health Science Technology, Health Science Technology I, Health Science Technology II, Biology, Chemistry.
This course is designed to expand the Health Science student knowledge and skill in conducting scientific long-term, original research projects that lead to publishable results. Students model the practice of professional scientists working in real-world research laboratories. Students will learn to transfer knowledge and skills to new situations and apply problem-solving strategies, update skills to enhance employability and identify emerging technologies in the health science technology industry. Students use appropriate technologies on their research project including experimentation, data analysis, and presentation of their findings to Health Scientific audience for external review.
Family and Consumer Sciences – Prepares students for personal and family life across the life span as they manage the challenges of living and working in a diverse, global society. The program focuses on family life, work life, and career management. An integral part of the total family and consumer science program, multicultural education, leadership development, integrating and application of academic skills, and problem solving are emphasized in all courses.

CHILD DEVELOPMENT TEA #12203310 2528R
Grade: 10-12
Credit: 1/2
Prerequisite: Preparation for Parenting

Students learn knowledge and skills related to child growth and development equip individuals to develop positive relationships with children and effective parenting and caregiver skills. Individuals use these skills to promote the well-being and health development of children, strengthen families in a culturally diverse society. This course awards tech-prep credit when taken in a sequence.

CHILDCARE GUIDANCE, MANAGEMENT AND SERVICES I TEA #12203421 2633R
Grade: 11-12
Credit: 2
Prerequisite: Preparation for Parenting & Child Development; Instructor’s approval

Training in preparation for the world of work; opportunities and nature of employment in child care services; introductory study of physical, social, emotional and mental development of children; guidance techniques; introductory learning and creative activities; observing and recording child behavior; participation in child development training in pre-employment with qualified supervision. Meets the equivalent of hours daily. This class satisfies the Physical Education requirement for graduation.

CHILD CARE GUIDANCE MANAGEMENT AND SERVICES II TEA #12203422 2637R
Grade: 12
Credit: 2
Prerequisite: Completion of 2633

Continues the program as described in the first year. Meets two hours daily. This class satisfies the Physical Education requirement for graduation.

CONSUMER & FAMILY ECONOMICS TEA #12206310 2531R
Grade: 10-12
Credit: 1/2
Prerequisite: None

This course addresses consumer and family economics. It provides information on the role of consumers in the American economy. Special emphasis is given to consumer and assertiveness, protection of the family’s economic security, and careers available within the area of consumer economics. The course clearly represents how home/consumer/family practices impact the economy.

EARLY CHILDHOOD PROFESSIONS I TEA #N1220301 2643R
Grade: 11-12
Credit: 2
Prerequisite: Preparation for Parenting & Childhood Development Instructor’s approval

This course provides an introduction to early childhood care and education and opportunities to observe children in a variety of settings. Students learn professionalism; theories of child growth and development; guidance and group management; curriculum development; family community relations; and safety, health, and nutrition; and program management. Students are provided opportunities for field experiences in pre-kindergarten and kindergarten classes, licensed child care facilities and child development centers at the high school or community college campus. This course meets two hours daily and satisfies the Physical Education requirement for graduation. This course awards Tech-Prep credit.

EARLY CHILDHOOD PROFESSIONS II TEA #N1220302 2647R
Grade: 12
Credit: 2
Prerequisite: Early Childhood Professions I; Instructor’s approval

This course combines advanced academic instruction and field experiences. Students continue their study of child development theories, program management, curriculum planning, teaching, and leadership. Upon completion of this course the student will be able to apply basic concepts of child guidance and development theories, instructional mastery of competencies in health, safety and nutrition; human growth, development and learning; curriculum development; guidance and group management; family and community relations; program management; and professionalism. This class satisfies the Physical Education requirement for graduation. This course awards Tech-Prep credit.

ELEMENTARY SCHOOL TEACHING INTERNSHIP TEA #N1220305 2649R
Grade: 11-12
Credit: 2
Prerequisite: Early Childhood Professions I, Instructor’s approval

This internship provides students learning experiences in child development while they work directly with young children and elementary school teachers. Students assist in individualized instruction, preparation of instructional materials and bulletin boards, record keeping, and making physical arrangements as requested by classroom teachers. One class period each week is spent in instruction with the family consumer sciences teacher and four days are devoted to working in the elementary school with
pupils from Grades PreK-3. This class satisfies the Physical Education requirement for graduation. This course awards Tech-Prep credit.

**FAMILY/CONSUMER SCIENCES CAREER**

**PREPARATION I**

GRADE: 11-12  CREDIT: 3

PREREQUISITE: Sixteen (16) years of age, instructor's approval. Approved job placement, own transportation, and at least one credit in a related Career/Technology in an approved coherent sequence. FCSC provides on-the-job training for students preparing to enter full-time employment in occupations requiring knowledge and skills in family, and consumer sciences. Classroom instruction includes job attitudes and relations; orientation to employment; personal development, personal and financial management; awareness of consumer and civic responsibilities; telephone etiquette; communication skills; decision-making procedures; and research of careers. Course application and personal interviews are required. Individualized occupational instruction continues each semester. This class meets daily for one class period of classroom instruction and requires a minimum of 15 hours of supervised work experience weekly. Students must have taken one year of related career technology electives. This class satisfies the Physical Education requirements for graduation.

**FAMILY/CONSUMER SCIENCES CAREER**

**PREPARATION II (FCSCP)**

GRADE: 12  CREDIT: 3

PREREQUISITE: Completion of Family Consumer Sciences Career Preparation I, own transportation, and instructor's approval This course continues the program described in the first year. It meets daily for one class period of classroom instruction and requires a minimum of 15 hours of supervised work experience weekly. This class satisfies the Physical Education requirement for graduation.

**FAMILY HEALTH NEEDS**

GRADE: 10-12  CREDIT: 1/2

PREREQUISITE: None

Students identify principles and implications of good personal health for family members, examine factors contributing to good health, analyze the impact of illness, accidents, and special health needs on the family, and explore family health care options.

**FOOD PRODUCTION MANAGEMENT AND SERVICE I**

GRADE: 11-12  CREDIT: 2

PREREQUISITE: Nutrition and Food Science and Food Science Technology, instructor's approval.

This course provides curriculum designed for employment and/or continued education in the area of food production, management and services. Basic knowledge is provided in nutrition, as well as skills in food preparation and service. The content focuses on concepts and skills related to management techniques, equipment operation, quantify food production, catering, safety and sanitation. A major focus for developing concepts and skills for managing the dual roles of homemaker and wage earner is included. Meets two hours daily. This class satisfies the Physical Education requirement for graduation. Certification is available in sanitation. This course awards Tech-Prep credit.

**FOOD PRODUCTION MANAGEMENT AND SERVICE II**

GRADE: 12

PREREQUISITE: Completion of Food Production, Management and Services I, instructor's approval. This class continues the program described in Food Production, Management and Services I. It meets two hours daily and satisfies the Physical Education requirements for graduation. College credit may be available through Tech Prep. See your teacher or counselor to make sure the class qualified and you have met all of the requirements.

**NUTRITION AND FOOD SCIENCE TECHNOLOGY**

GRADE: 10-12  CREDIT: 1/2

PREREQUISITE: Nutrition and Food Science

This Laboratory course provides an in-depth study of the significance of nutrition and food science. It addresses the knowledge and skills needed to study food chemistry, food processing, marketing and food/nutrition technology. Food/nutrition occupational areas are explored as well as the concepts and skills related to managing the dual roles of homemaker and wage earner. This course awards Tech-Prep credit.

**HOSPITALITY SERVICES I**

GRADE: 11-12  CREDIT: 2

PREREQUISITE: Instructor's approval, Nutrition & Food Science, Food Science & Technology

This course provides training in hospitality services such as hotel and motel operation and institutional services. Career options and demands on family life are explored. Students learn concepts and skills related to property management, psychology of guests, lodging operations and food and beverage operations. This class meets two hours daily. Hotels or conference centers are used for the work-based component. This class satisfies the Physical Education requirements for graduation. This course awards tech-prep credit.

**HOSPITALITY SERVICES II**

GRADE: 12  CREDIT: 2

PREREQUISITE: Instructor's approval, Hospitality Services I

Students continue the program as described in Hospitality Services I. It meets two hours daily and satisfies the Physical Education requirement for graduation. This course awards tech-prep credit.
HOUSING

TEA #12208210 2530R
GRADE: 10-12  CREDIT: 1/2
PREREQUISITE: None
Housing addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Students learn knowledge and skills related to interior and exterior environments, construction, and furnishings to help them make wise consumer decisions, increase productivity, and compete in industry.

HOUSING, FURNISHINGS, EQUIPMENT/PRODUCTION MANAGEMENT AND SERVICES

TEA #12208421 2538R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Housing and Interior Design
In this course, students gain knowledge and skills in one of the following areas: housing, furnishings, equipment production or floral design. This course addresses the psychological, physiological, sociological needs of individuals by enhancing the environments in which they live and work. This class meets two hours daily. This class satisfies the physical education requirement for graduation.

INDIVIDUAL AND FAMILY LIFE

TEA #12202210 2524R
GRADE: 10-12  CREDIT: 1/2
PREREQUISITE: None
The relationship between individuals and among family members significantly affects the quality of life. Students use knowledge and skills in family studies and human services to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to these fields of study.

INTERGENERATIONAL PROFESSIONS I

TEA #N1220201 8307R
TEA #N122T201 8307$
(LYI=2004-2006)
GRADE: 11-12  CREDIT: 2
PREREQUISITE: Child Care and Guidance, Management and Services.
This is the first year of an education-training program preparing students for careers in intergenerational professions. Student will study a wide array of occupations that provide for care and services to children and older adults; childcare, elder and dependent care, well-elder services, and education needs for preschool, elementary and special needs students. Management and Administrative Services for related to public and private business for child and elder care is included in this pre-employment 2-hour lab. This course meets two hours daily and satisfies the Physical Education requirement for graduation. This course awards Tech-Prep credit in sequence.

INTRO. TO CONVENTION/MEETING MANAGEMENT

TEA #84900301 8264U
GRADE: 12  DUAL CREDIT TRVM2301
PREREQUISITE: Instructor's approval
This course focuses on the aspects and skills involved in planning and managing meetings and conventions. It is an overview of the 25 functions of meeting planning. This course will provide the checklist and vocabulary necessary to plan and execute a successful meeting or convention. Classes will include site-inspections of hotels, discussions on food and beverage, audio-visual requirements, room set-ups, transportation, hotel contract negotiations and industry ethics. This course will be taught once a week in the spring, in the evening at the IHCA. The time will be announced.

NUTRITION AND FOOD SCIENCE

TEA #12204210 2525R
TEA #122T4210 2525$
GRADE: 10-12  CREDIT: 1/2
PREREQUISITE: None
The content in this laboratory course includes a strong component in nutrition as it relates to dietary functions through the family life cycle, special dietary needs, and nutrient sources. Safety, sanitation and nutrient retention in food preparation are addressed. It covers cultural influences on food patterns, management techniques and careers in food and nutrition occupations. Concepts and skills related to management of the dual roles of homemaker and wage earner are emphasized. This course awards Tech-Prep credit in sequence.

PARENTING EDUCATION FOR SCHOOL AGED PARENTS

TEA # N1220303 2535R
GRADE: 9-12  CREDIT: 1/2-1 CREDIT
PREREQUISITE: Instructor's approval
This course focuses on meeting the needs of school-age parents and their children through knowledge of personal development; parenthood/adult roles; prenatal and postnatal care; health and well-being of parents and children; development of children from birth to three years of age; special concerns in the family; family life management; career/job opportunities.

PERSONAL AND FAMILY DEVELOPMENT

TEA #12201210 2727R
GRADE: 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. Included is instruction about nutrition,
interpersonal skills, consumer-buying patterns, and management of household needs. A supervised career-connections experience each semester is required.

**PREPARATION FOR PARENTING**  
**TEA #12203210  2527R**  
**TEA #122T3210  2527$**  
**GRADE 10-12**  
**CREDIT: 1/2**  
**PREREQUISITE: None**  
This laboratory course provides content for students to acquire knowledge and skills related to the development and care of children. It develops concepts related to prenatal and postnatal care, the development of children (including opportunities for making decisions) and childcare guidance techniques. The course emphasizes special parenting techniques for teach children with special needs such as those who are disabled or gifted and talented. The causes and prevention of child abuse are also addressed. This course awards tech-prep credit when taken in sequence.

**PROFESSIONAL BAKING I**  
**TEA #12205221  8309R**  
**TEA #122T5221  8309$**  
**GRADE: 11-12**  
**CREDIT: 2**  
**PREREQUISITE: Nutrition and Food Science and Food Science and Technology, Instructor’s approval**  
This course covers the understanding of the art and the science of baking. Baking is a vital part of any chef’s training and an important part of every successful restaurant operation. After all, the first and last important impressions of a meal are often products baked in the bakeshop. Begin your study by mastering the basic cake and cookie mixing techniques. Then, refine your skills and again experience by working as an apprentice in a real baker, a program that is licensed by the U.S. Department of Labor. This course satisfies the P.E. credit for graduation.

**PROFESSIONAL BAKING II**  
**TEA #12205222  8310R**  
**TEA #122T5222  8310$**  
**GRADE: 12**  
**CREDIT: 2**  
**PREREQUISITE: Professional Baking I, Instructor’s approval**  
This course is a continuation of Professional Baking I. It does satisfy the Physical Education requirement for graduation.

**SERVICES FOR OLDER ADULTS**  
**TEA #12202421  2659R**  
**GRADE: 11-12**  
**CREDIT: 2**  
**PREREQUISITE: Nutrition and Food Science, Family Health Needs, instructor approval, sixteen years of age, and own transportation.**  
This course meets two hours daily. Students analyze factors affecting the older adult population, differentiate between effects of aging and disease on mental abilities, analyze the contributions of older adults to society, and utilize caregiver techniques promoting emotional health of older adults. This course satisfies the Physical Education requirement for graduation.

**TEACHER EDUCATION I**  
**TEA #N1220307  2653R**  
**TEA #N122T307  2653$**  
**GRADE: 11-12**  
**CREDIT: 2**  
**PREREQUISITE: Preparation for Parenting and Child Development.**  
Ready, Set, Teach! Is a field-based internship which provides students a background knowledge of child and adolescent development principles as well as principles of effective teaching practices. Students in Ready, Set, Teach! It can be taken for one or two years, work under the joint direction and supervision of both a family and consumer sciences teacher and exemplary educators in direct instructional roles with elementary, middle and/or high school aged students. Students from the class plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements and complete other responsibilities of classroom teachers. The students are involved in observations as well as direct student instruction; placement rotations are utilized to allow students to have experiences in a full range of education career roles, grade levels, subject areas and ability groups. During the course of each week, students enrolled in Ready. Set, Teach! Are involved in instruction from the family and consumer sciences teacher as well as involved in supervised field-based observations and applications of principles/practices studied in the class. This course satisfies the P.E. credit for graduation as well as Tech-Prep credit.

**TEACHER EDUCATION II**  
**TEA #N1220308  8263R**  
**TEA #N122T308  8263$**  
**GRADE: 12**  
**CREDIT: 2**  
**PREREQUISITE: Education I, Instructor’s approval**  
This course is a continuation of Teacher Education I. This course satisfies the Physical Education requirement of AISD for graduation. This course awards tech-prep credit.
Technology Education – is a comprehensive experience-based educational program that allows students to investigate and experience the means by which humans meet their needs and wants, solve problems, and extend their capabilities. Students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems.

The study of technology allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. Technology education is organized into six content areas: bio-related technology, communications; computer applications; construction; energy, power, and transportation; and manufacturing.

COMMUNICATION GRAPHICS  
TEA #12362640  7614R  
GRADE: 10-12  CREDIT: 1  
RECOMMENDED PREREQUISITE:  Communications Systems  
In this activity-based course, students explore the resources, processes, management, and products in the technical aspects of photography, graphic arts, electronic communications and telecommunication systems. The course emphasizes problem solving, design principles, technical standards and use of related equipment.

COMMUNICATION GRAPHICS MODULAR  
COMPUTER BASED LEARNING  
TEA #12362641  7617R  
GRADE: 10-12  CREDIT: 1  
RECOMMENDED PREREQUISITE:  Communication Systems  
In this activity-based course, students explore the resources, processes, management, and products in the technical aspects of photography, graphic arts, electronic communications and telecommunication systems. The course emphasizes problem solving, design principles, technical standards and use of related equipment. This course satisfies the Technology Applications requirement for graduation.

COMMUNICATION SYSTEMS  
TEA #12341420  7903R  
GRADE: 9-12  CREDIT: 1  
RECOMMENDED PREREQUISITE:  Technology Systems  
Communication Systems introduces students to the concepts of technical communication. In this activity-based course, students explore the resources, processes, management, and products in the technical aspects of drafting, photography, graphic arts, electronic communications, and telecommunication. The course emphasizes problem solving, design principles, technical standards and use of related equipment.

COMPUTER APPLICATIONS  
TEA #12341470  7813R  
GRADE: 9-12  
TEA #1234147T  7813$  
PREREQUISITE:  None  
This exploratory activity-based course is designed to explore the use of computers in communications, energy, power, transportation, and manufacturing fields. Activities include, but are not limited to, computer numerical control programming, computer-aided design, and drafting, telecommunications, desktop publishing, 3-D design, animation, multimedia presentations, CNC programming, and micro-processing programming. This course awards Tech-Prep credit. This course also satisfies the Technology Applications requirement for graduation.

COMPUTER MULTIMEDIA & ANIMATION TECHNOLOGY  
TEA #12362680  8754R  
GRADE: 10-12  
TEA #1236268T  8754$  
PREREQUISITE:  Computer Applications or Technology Systems, or Introduction to Media Technology  
This laboratory course focuses on the integration of movie, video, and television production with computer graphics and electronic instrumentation. Students will demonstrate knowledge of legal restrictions and copyright laws related to media technology. Emphasis is on producing products containing video animation. This course satisfies the Technology Applications requirement for graduation. This course awards Tech-Prep credit.
ENGINEERING GRAPHICS  
TEA #12362630  8823R  
TEA #12362630  8823S
GRADE: 10-12  
CREDIT: 1
RECOMMENDED PREREQUISITE: Communication Systems  
This course focuses on the design, planning, and technical communications associated with manufacturing systems. In this activity-based course, emphasis is placed on production drawings and graphics related to machine design, welding fabrication, electrical and electronic components, piping, technical illustration, gears and cams, intersection and development, jigs and fixtures. This course awards Tech Prep credit.

PROBLEMS AND SOLUTIONS IN TECHNOLOGY  
TEA #12392930  8093R
GRADE: 11-12  
CREDIT: 1
PREREQUISITE: Two Technology Education courses in an approved coherent sequence.
This is a course for advanced technology students. Students will use advanced tools, materials, and processes to solve an identified problem or build products in a more efficient manner.

RESEARCH, DESIGN AND DEVELOPMENT  
TEA #12392920  8703R
GRADE: 11-12  
CREDIT: 1
PREREQUISITE: Two technology education courses in an approved coherent sequence.
This is an activity-based course that provides students the opportunity to conduct research and development activities in one or more of the technology areas of communication, photography, energy, and production. Students conduct research, collect data, solve problems, design and develop prototypes, and make working models.

ELECTRICAL / ELECTRONIC TECHNOLOGY  
TEA #12362670  7313R
GRADE: 9-12  
CREDIT: 1
PREREQUISITE: None
This is a technical activity-based course designed to introduce the concepts and application of electrical energy and electronics as a component of energy technology. In the electricity component, students focus on the characteristics, generation, storage, distribution, and application of electrical energy. In the electronics component, the focus is on the design, production, and application of electronic devices and circuits.

TECHNOLOGY SYSTEMS MODULAR  
COMPUTER LABORATORY -BASED  
TEA #12331321  7113R
GRADE: 9-12  
CREDIT: 1
PREREQUISITE: None
This course incorporates an extensive collection of computers and peripherals in a modular laboratory. Students access information in broader technological arenas: bio-related technology; communication; computer applications; construction; energy, power, transportation, and manufacturing. Content includes, but is not limited to the study of systems of technology, application of technology, design/problem solving, evolving technologies, safety, maintenance, entrepreneurship, leadership, careers, and marketing. This course, taught in a modular lab setting, satisfies the Technology Applications requirement for graduation.

ADVANCED TECHNOLOGY  
TEA # N1233103  8181R  8182R  8183R
GRADE: 11-12  
CREDIT: 1
PREREQUISITE: Instructor approval, completion of at least two Career and Technology courses in an approved coherent sequence, Keyboarding, Business Computer Information I, Science Technology, Biology, Chemistry, Algebra, Physics.
This course is extensive collection Scientific Technologies and Systems in Engineering Principles. The course will focus on teamwork, electricity, pneumatics, kinematics robotics, design and manufacturing procedures.
Marketing Education — A secondary program designed to prepare students to conduct the critical business functions associated with directing the flow of products and services from the producer to the consumer. The discipline of marketing is built upon three areas of interdisciplinary content. These foundations of economics, human resources, and marketing concepts are necessary to understand and apply the nine functions of marketing. Students study and apply the marketing functions that include distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling. Students also have opportunities to develop leadership, social, civic, and career skills in marketing through their participation in Distributive Education Clubs of America (DECA). DECA provides well-planned activities that can be integrated into the curriculum and projects that promote occupational competence for students while building relationships between education and the business community that will enhance the career and educational development of students.

ENTREPRENEURSHIP TEA #12411920 8121R
GRADE: 9-12  CREDIT: 1
PREREQUISITE: None
Entrepreneurship provides the opportunity to learn the various aspects of business ownership. Classroom instruction includes: the nature of small business, types of businesses, and business contribution to the American way of life, business development, types of ownership, and locating and financing a business. Develops individual attitudes, abilities, and self-motivation through the study of business psychology, business mathematics, human relations, sales promotion, and basic selling techniques. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

INTRODUCTION TO ADVERTISING TEA #12422030 8603R
GRADE: 10-12  CREDIT: 1/2
PREREQUISITE: None
This course meets the equivalent of one hour per day and covers concepts and skills necessary for employment in the field of advertising. It includes creation and design of graphic materials for use on promotion, illustration, advertising, and computer graphics. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

TRAVEL AND TOURISM MARKETING TEA #12421055 8054R
GRADE: 10-12  CREDIT: 1
This course gives an overview of the industry and the importance of history and geography in the study of travel and tourism. Students learn industry terminology and see the relationship of travel and tourism to marketing. The course focuses on the customer to generate a profitable exchange. Students gain knowledge and skills that allows them to be proficient in one or more of the functional areas associated with distribution, financing, marketing information management, pricing, produce planning, promotion, purchasing risk management, and selling skills needed to help customers make satisfying buying decisions and to solve marketing problems.

PRINCIPLES OF MARKETING TEA #12411910 8012R
GRADE: 9-12  CREDIT: 1/2
PREREQUISITE: None
This course gives an overview of the Marketing Industry and the importance of promotion, purchasing, management and selling skills. Local Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

RETAIL TEA #12411922 8133R
GRADE: 9-12  CREDIT: 1/2
RECOMMENDED PREREQUISITE: None
This course gives an overview of the Retail Industry and the importance of helping customers make satisfying buying decisions, and solve marketing problems using management skills. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

MARKETING DYNAMICS (PLE) TEA #12441140 8131R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Keyboarding or equivalent, Business Computer Information Systems, or Instructor’s approval.
This pre-employment marketing dynamics laboratory course meets the equivalent of 2-hours per day. It provides job-specific training for entry-level employment and students will investigate their career options and global marketing issues. Students learn concepts and skills related to marketing, management, entrepreneurship, and psychology of marketing, and international business operations. This class satisfies a Physical Education credit requirement for graduation. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.
MARKETING MANAGEMENT  TEA #12441241  8143R  
GRADE: 10-12  CREDIT: 2  
PREREQUISITE: Principles of marketing or Marketing Dynamics, Instructor's approval.  
An advanced marketing course with an emphasis on developing decision-making skills. The student will develop a market research project. This course satisfies a Physical Education credit requirement for graduation. Local Tech-Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses.

MARKETING EDUCATION CAREER PREPARATION I  TEA #12421555  0736R  
GRADE: 11-12  CREDIT: 3  
PREREQUISITE: Instructor approval, 16 years of age, provide own transportation, and have completed at least one course in an approved related coherent sequence.  
This is the first level course to provide for Worker Based Learning Employment in the student interest in Marketing Careers and Education. This class satisfies the Physical Education requirement for graduation. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD camp.

MARKETING EDUCATION CAREER PREPARATION II  TEA #12421556  0737R  
GRADE: 11-12  CREDIT: 3  
PREREQUISITE: Instructor approval, 16 years of age, provide own transportation, and have completed at least two course in an approved related coherent sequence.  
This is the second level of study to provide for Worker Based Learning Employment in the student interest in Marketing Careers and Education. This class satisfies the Physical Education requirement for graduation. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

SPORTS AND ENTERTAINMENT MARKETING  TEA #N1242044  8134R  
GRADE: 9-12  CREDIT: 1/2  
RECOMMENDED PREREQUISITE: None  
This innovative course focuses on the study of marketing in the context of the sports and entertainment industry. Students will explore career options in the sports marketing areas. Students will be required to produce a sports and entertainment event.

TECHNOLOGY IN MARKETING  TEA #12422033  0734R  
GRADE: 10-12  CREDIT: 1  
RECOMMENDED PREREQUISITE: Proficiency with integrated software and instructor approval.  
This course is 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.
Trade and Industrial Education – is designed to prepare students for initial employment in trade and industrial occupations. Trade and Industrial Education provide instruction that develops manipulative skills, safety, judgment, technical knowledge, and related occupational information. These skills prepare persons for profitable employment in trade and industrial pursuits. The major systems are transportation, construction-maintenance, electrical-electronics, communication and media, and personal and protective services. Opportunities to develop and apply leadership, social, civic and business-related skills are provided through the Vocational Industrial Clubs of America (VICA), the student organization for young people enrolled in trade and industrial programs.

COMMERCIAL PHOTOGRAPHY I TEA #12511501 8840R
GRADE: 10-12 CREDIT: 2
RECOMMENDED PREREQUISITE: Introduction to Visual Communication Processes
This pre-employment laboratory course meets the equivalent of two hours per day, with job-specific training for entry-level employment in commercial photography. Includes principles of photography, commercial composition, print making, finishing, safety, entrepreneurship, and career opportunities. This class satisfies the Physical Education requirement for graduation.

INTRODUCTION TO COSMETOLOGY TEA #12568103 8503R
GRADE: 9-10 CREDIT: 1
PREREQUISITE: None
This course introduces students to careers in cosmetology. In this activity-based course, students study licensing requirements, safety, leadership, salon management and ownership. Students practice selecting and applying products, shampooing, styling, coloring, facials, make-up, nail technology and manicuring. There are fees associated with this course.

COSMETOLOGY I TEA #12568101 8513R
GRADE: 10-12 CREDIT: 3
PREREQUISITE: Instructor approval, plus 125 clock hours credit from Introduction to Cosmetology
This pre-employment laboratory course provides specific training for entry-level employment in cosmetology. It includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hair-styling, permanent waving, hair coloring, manicuring, facial massage, facial make-up, entrepreneurship, safety, leadership and career opportunities. This course satisfies the Physical Education requirement for graduation. There are fees associated with this course.

COSMETOLOGY II TEA #12568102 8514R
GRADE: 11-12 CREDIT: 3
PREREQUISITE: Cosmetology I and instructor approval, plus at least 575 clock hours
This course is a continuation of Cosmetology I. This course satisfies the Physical Education requirement for graduation. There are fees associated with this course.

INTRODUCTION TO MEDIA TECHNOLOGY TEA #12512304 8737R
GRADE: 9-12 CREDIT: 1
PREREQUISITE: None
This pre-employment laboratory course meets the equivalent of one hour per day. It provides job-specific training for entry-level employment in movie, video, and television production careers. Includes operation of different types of cameras, mastery of audio techniques, electronic editing, creation of media graphics, lighting, script writing, direction, production, special effects, signal control, set design, entrepreneurship, and safety.

INTRODUCTION TO VISUAL COMMUNICATION PROCESSES TEA #12512305 8723R
GRADE: 9-12 CREDIT: 1
PREREQUISITE: None
This course introduces students to the concepts of technical communication. In this activity-based course, students explore the resources, processes, management, and products in the technical areas of photography, drafting, graphic arts, electronic communication, and telecommunication. The course emphasizes problem solving, design principles, technical standards, and use of related equipment.

MEDIA TECHNOLOGY I TEA #12512301 8753R
GRADE: 11-12 CREDIT: 2
RECOMMENDED PREREQUISITE: Introduction to Media Technology
This yearlong laboratory course integrates movie, video, and television production with computer graphics and electronic instrumentation. This class meets the equivalent of two hours per day. Includes operation of different types of production equipment, such as soundboards, mixers, phases, and other special effects. This course satisfies the Physical Education requirement for graduation. This course awards Tech Prep credit.

TECHNICAL INTRODUCTION TO COMPUTER-AIDED DRAFTING TEA #12511705 8520R
GRADE: 11-12 CREDIT: 1
RECOMMENDED PREREQUISITE: Introduction to Building Trades
This is a beginning technical laboratory course for students interested in computer-aided drafting. Instruction includes computer hardware, CAD software, technical drawing and problems generated and solved by using CAD. This course awards Tech Prep credit.
This pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and technologies related to the electrical trades. This course satisfies the physical education requirement.

**ELECTRICAL TRADES II**  
**TEA #12522902 8577R**  
GRADE: 9-12  
CREDIT: 2  
PREREQUISITE: *Introduction to Electrical/Electronics Careers*  
This intermediate level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and technologies related to the electrical trades. This course satisfies the physical education requirement.

**BUILDING MAINTENANCE I**  
**TEA #12522501 8229R**  
GRADE: 9-12  
CREDIT: 2  
PREREQUISITE: *Instructor’s approval*  
This pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and technologies related to the building trades industry. This course satisfies the physical education requirement.

**BUILDING MAINTENANCE II**  
**TEA #12522502 8230R**  
GRADE: 9-12  
CREDIT: 2  
PREREQUISITE: *Instructor’s approval, Building Maintenance I*  
This intermediate level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and technologies related to the building trades industry. This course satisfies the physical education requirement.

**TRADE AND INDUSTRIAL EDUCATION CAREER PREP I**  
**TEA #12585001 8083R**  
GRADE: 11-12  
CREDIT: 3  
PREREQUISITE: *Related technical courses in preparation for the training opportunity, 16 years of age, must provide own transportation to the training station, and must have completed at least one course in an approved related coherent sequence.*  
Students for useful employment in approved skilled trades in construction, mechanics, electronics, graphics, metal working trades, etc. Classroom instruction emphasizes technical information related to the student’s chosen occupation in addition to general related information. Meets the equivalent of one hour daily in the classroom and requires a minimum of 15 hours per week training in industry. This course satisfies the Physical Education requirement for graduation.

**TRADE AND INDUSTRIAL EDUCATION CAREER PREP II**  
**TEA #12585002 8094R**  
GRADE: 11-12  
CREDIT: 3  
PREREQUISITE: *Related technical courses in preparation for the training opportunity, 16 years of age, and must provide own transportation to training stations.*  
This course is a continuation of Trade & Industrial Education Career Preparation I and meets the equivalent of one hour daily in the classroom and requires a minimum of 15 hours per week training in industry. Satisfies the Physical Education requirement for graduation.
INTRO COMPUTER MAINTENANCE  TEA #12534504  8018R  
GRADE: 9-12  
PREREQUISITE: Introduction to Electrical/Electronic Careers 
This course focuses on the assembly and disassembly of modern computer systems. The study of electronic theory necessary to perform basic systems maintenance will be included. The operation and check out of system board circuitry; monochrome and color monitors, disc drive system, computer architecture, and schematic diagrams will be presented. The use of software and trouble shooting system abnormalities will be integrated with basic electronic and hardware needed to properly diagnose malfunctions. This course awards Tech-Prep credit.

COMPUTER NETWORKING I (TELECOMMUNICATION FUNDAMENTALS)  TEA #12535101  8147R  
GRADE: 10-12  
CREDIT: 1  
PREREQUISITE: Computer Application 
This course focuses on the Telecommunication Fundamental systems, design, techniques and technologies. Classroom instruction emphasizes technical information related to the student’s career interests, in addition to general related information.

INTRO ELECTRICAL / ELECTRONICS CAREERS  TEA #12534704  8302R  
GRADE: 9-12  
CREDIT: 1  
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.

ELECTRONICS I  TEA #12534701  8373R  
GRADE: 12  
CREDIT: 2  
PREREQUISITE: Introduction to Electrical/Electronic Careers 
First year instruction is designed to provide job-specific training for entry-level employment in electronics-related careers. Instruction includes building direct current circuits using breadboards and printed circuits, knowledge of digital electronic circuits, microprocessor theory and logic, and television systems and subsystems. This course awards Physical Education credit for graduation.

ELECTRONICS II  TEA #12534702  8377R  
GRADE: 12  
CREDIT: 2  
PREREQUISITE: Electronics I 
This course is a continuation of Industrial Electronics I. This intermediate level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and technologies related to the Industrial Electronics Industry. This class satisfies the Physical Education requirement for graduation.

SEMICONDUCTOR ELECTRONICS  TEA #12534702  8340R  
GRADE: 11-12  
CREDIT: 2  
PREREQUISITE: Introduction to Electrical/Electronic Careers 
These course beings with a brief history and description of vacuum tubes as a way to explore the ways transistors and related devices operate. Emphasis is placed on the introduction to semiconductor electronic devices; this class satisfies the Physical Education requirement for graduation.
BASIC COUNTY CORRECTIONS  TEA #12568701  8064R
GRADE: 11-12  CREDIT: 1/2
PREREQUISITE: Instructor’s approval. And credit in or concurrent enrollment in Intro to Criminal Justice and Crime in America, Business Computer Information Systems I.
This course provides basic county corrections information and training required for state certification as a basic corrections officer.

AUTOMOTIVE SPECIALIZATION IN BRAKES / WHEEL ALIGNMENT  TEA #12579101  8453R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Business Computer Information Systems I, or Computer Application, Intro to Transportation Services
This level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and specialized technologies related to automotive wheel alignment. This course satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AUTOMOTIVE SPECIALIZATION IN ENGINE PERFORMANCE  TEA #12579101  8443R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Business Computer Information Systems I, or Computer Application, Intro to Transportation Services
This level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and specialized technologies related to automotive engine performance. This course satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AUTOMOTIVE SPECIALIZATION IN ELECTRICAL SYSTEMS  TEA #12579101  8455R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Business Computer Information Systems I, or Computer Application, Intro to Transportation Services
This level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and specialized technologies related to automotive electrical systems. This course satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AUTOMOTIVE SPECIALIZATION IN STEERING AND SUSPENSION  TEA #12579101  8437R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Intro to Transportation Services, Business Computer Information Systems I or Computer Applications
This level pre-employment lab course that meets for the equivalent of two hours per day and includes the design, techniques, tools and specialized technologies related to automotive steering and suspension. This course satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AUTOMOTIVE TECHNICIAN I  TEA #12579102  8425R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Business Computer Information Systems I, or Computer Applications, Intro to Transportation Services
This intermediate level pre-employment lab course that meets for the equivalent of two hours per day automotive technician specialized technologies related to the auto industry. This course satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

AUTOMOTIVE TECHNICIAN II  TEA #12579102  8427R
GRADE: 10-12  CREDIT: 2
PREREQUISITE: Instructor’s approval, Automotive Technician I, This intermediate level pre-employment lab course that meets for the equivalent of two hours per day automotive technician specialized technologies related to the auto industry. This course
satisfies the physical education requirement. LOCAL Tech Prep Credit-in-Escrow may be available upon completion of coherent sequences of courses. Check with your counselor or teacher to determine student requirements, and if this course is offered at your campus or at another AISD campus.

**AUTOMOTIVE COLLISION REPAIR AND REFINISHING TECHNOLOGY**  
*TEA #12579301 8312R*

**GRADE:** 10-12  
**CREDIT:** 3  
**RECOMMENDED PREREQUISITE:** Introduction to Transportation Careers, application and instructor interview

Instruction is designed to provide job-specific training for entry-level employment in the automotive after-market field of auto body repair and refinishing. Instruction emphasizes frame and body repair; metal, fiberglass, and synthetic materials repair; welding skills; preparation and application of primers and paints.

**AUTOMOTIVE COLLISION REPAIR AND REFINISHING TECHNOLOGY II**  
*TEA #12579302 8315R*

**GRADE:** 11-12  
**CREDIT:** 3  
**RECOMMENDED PREREQUISITE:** Automotive Collision/Repair I, application and instructor interview

This course is a continuation of Automotive Collision Repair & Refinishing I.

**INTRODUCTION TO TRANSPORTATION SERVICES**  
*TEA #12579104 8025R*

**GRADE:** 9-12  
**CREDIT:** 1  
**RECOMMENDED PREREQUISITE:** None

This course is designed to provide an overview of transportation services and careers.

**EMERGENCY COMMUNICATIONS**  
*TEA #12568706 8065R*

**GRADE:** 11-12  
**CREDIT:** 1/2  
**PREREQUISITE:** Introduction to Criminal Justice

This course is a study of the history of public safety communications and of the federal and state laws affecting public safety communication. In addition, telephone and radio communications systems are studied, as are communication documentation; emergency management; 911 and stress and crisis management. This can be part of a Tech-Prep coherent sequence of criminal justice.

**COURTS AND CRIMINAL PROCEDURE**  
*TEA #12568703 8068R*

**GRADE:** 11-12  
**CREDIT:** 1  
**PREREQUISITE:** Instructor’s approval.

This course provides information and training related to the judiciary in the criminal justice system; right to counsel; pretrial release, grand jury, adjudication process; types and rules of evidence; and sentencing. This course can be part of a Tech Prep sequence.

**CRIME IN AMERICA**  
*TEA #12568704 8063R & 8063S*

**GRADE:** 11-12  
**CREDIT:** 1  
**PREREQUISITE:** Concurrent with Introduction to Criminal Justice

A course designed to introduce the student to American crime; impact and crime trends; social characteristic of specific crimes, and prevention of crime. This course can be part of a Tech Prep sequence.

**INTRODUCTION TO CRIMINAL LAW**  
*TEA #12568708 8095R*

**GRADE:** 11-12  
**CREDIT:** 1  
**PREREQUISITE:** Concurrent with Crime in America

A course designed as a study of the history and philosophy of criminal justice and its ethical consideration. Crime is defined. Its nature and impact are explored. Instruction includes an overview of the criminal justice system, law enforcement and the court system. Course will include the study of prosecution, defense, trial processes, corrections and penal systems. This course is part of the Tech Prep sequence.

**8 CAREER ORIENTATION COURSE**

**CAREER CONNECTIONS**  
*TEA #12731100 0471R*

**GRADE:** 9-10  
**CREDIT:** 1/2  
**PREREQUISITE:** None

Career Connections is an activity-based course designed to develop greater knowledge and understanding of self. This course focuses on making meaningful and informed life choices. Campus orientation, stress management, conflict resolution, problem solving, teamwork, and study skills are emphasized. Occupational clusters and a variety of careers within each cluster are studied in relation to individual self-appraisal, including interests, abilities, values, and aptitude. Each student develops a graduation plan and portfolio.
Military Service is a rapidly growing career in high demand. Most positions require training beyond high school and require good grades. Entry requirements for this cluster generally include excellent physical and psychological health, near perfect eyesight and hearing, a good verifiable background and education, and U.S. citizenship for government jobs.

**RESERVE OFFICER TRAINING CORPS, JROTC I**

TEA #03160100  
GRADE: 9-12  
CREDIT: 1/2 - 1  
PREREQUISITE: Approval of principal and AFJROTC commander.

The Heritage of Flight. JROTC I is a historical introduction to the age of flight and the development of flying vehicles. It introduces military customs, courtesies, and wear of the uniform.

**RESERVE OFFICER TRAINING CORPS II, JROTC II**

TEA #03160200  
GRADE: 9-12  
CREDIT: 1/2 - 1  
PREREQUISITE: Approval of principal and AFJROTC commander.

Principles of Flight. Students study aerodynamics and aircraft structures. The course introduces aerospace vehicles of today, and it includes instruction in leading and participating in larger military ceremonies.

**RESERVE OFFICER TRAINING CORPS III, ROTC III**

TEA #03160300  
GRADE: 9-12  
CREDIT: 1/2 - 1  
PREREQUISITE: Approval of principal and JROTC commander.

Aircraft Propulsion and Navigation. Students study the machines, components, and fuels of reciprocating and jet aircraft engines. They also use maps, charts, and basic tools of air navigation. They study leadership involving human relations and communication skills, and further develop military drill proficiency.

**RESERVE OFFICER TRAINING CORPS IV, JROTC IV**

TEA #03160400  
GRADE: 9-12  
CREDIT: 1/2 - 1  
PREREQUISITE: Approval of principal and JROTC commander.

Human Requirements of Flight. Students study flight physiology, human engineering problems, flight training programs, and devices and crew protection equipment. They also learn and apply management techniques through positions in the Cadet Squadron.
### A. OCCUPATIONAL/VOCATIONAL:

#### INDIVIDUALIZED VOCATIONAL EDUCATION I

**TEA #90000004 2915S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Placement and number of credits are determined by ARD (Admissions, Review and Dismissal) Committee.

This course is designed to provide a community-based supported work model of instruction to students with disabilities whose IEPs require these services. The program will provide instruction in varied supported work models including: (1) individual placement by a job coach, (2) mobile work crew, and (3) enclaves in industry.

#### INDIVIDUALIZED VOCATIONAL EDUCATION II

**TEA #90000003 2925S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Placement and number of credits are determined by ARD (Admission, Review and Dismissal) Committee.

This course is designed to provide a community-based supported work model of instruction to students with disabilities whose IEPs require these services. The program will provide instruction in varied supported work models including: (1) individual placement by a job coach, (2) mobile work crew, and (3) enclaves in industry.

#### OCCUPATIONAL PREPARATION PRE-VOC SKILLS I

**TEA #90000005 9934S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Placement and number of credits are determined by ARD (Admission, Review and Dismissal) Committee.

This course enables students to gain knowledge of vocational and personal development requirements for successful job performances. Topics include training in personal and telephone interviews and completion of forms required in daily living and on the job.

#### OCCUPATIONAL PREPARATION PRE-VOC SKILLS II

**TEA #90000006 9935S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Placement and number of credits are determined by ARD (Admission, Review and Dismissal) Committee.

Students in this course explore vocational skills necessary to pursue careers consistent with their potential.

### INDIVIDUALIZED VOCATIONAL EDUCATION STUDY

**TEA #90000010 9355S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Placement is by ARD (Admission, Review and Dismissal) Committee.

Enables the student to develop academic and social/behavioral skills for completion of graduation Requirement. The course includes assessment in academic skills and implementation of an individualized program for the student. This course is designed primarily for the student who will meet regular graduation requirements and may be taken for as many semester hours as deemed necessary (local elective credit only).

### VOCATIONAL EXPERIENCE ON-THE-JOB TRAINING

**TEA #90000008 9936S**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** 16 years of age, Occupational Preparation II or the equivalent; Placement and number of credits are determined by ARD (Admission, Review and Dismissal) Committee.

Vocational Experience provides placement in three areas: (1) extended evaluation; (2) off-campus vocational training; and (3) on-the-job training and counseling by the vocational rehabilitation counselor.

### B. LOCAL COURSES:

#### OFFICE AIDE I

**TEA #85000049 0831R**

**GRADE:** 9-12

**LOCAL Credit:** *

**PREREQUISITE:** Keyboarding concurrent enrollment or I. Cannot be used as a career/technology program coherent sequence course.

Students develop skills in arithmetic, grammar, vocabulary, and keyboarding as they relate to clerical office work. Includes an introduction to computing machines, duplication processing, filing and record storage, roper handing of telephone and written communications, the use of other office equipment and supplies, and the development of appropriate attitudes and human relations skills. Students work in local campus offices. This course does not count toward state graduation requirements.
OFFICE AIDE II

GRADE: 9-12  LOCAL Credit: *
PREREQUISITE: Office Aide I. Cannot be used as a career/technology program coherent sequence course.
Students develop skills in arithmetic, grammar, vocabulary, written and oral communication, typing and filing procedures as related to clerical office work. Continued emphasis on appropriate attitudes, human relations skills and proper office procedures. Students work in local campus offices. This course does not count toward state graduation requirements.

C. MISCELLANEOUS/INNOVATIVE COURSES:

DIVERSIFIED CAREER PREPARATION I

GRADE: 11-12  CREDIT: 3
PREREQUISITE: Instructor/counselor approval. 16 years of age, an approved training placement, own transportation, and MUST BE enrolled in the DELTA program.
Diversified Career Preparation is a multi-occupational cooperative education program for approved DELTA students. It combines occupationally related classroom instruction and on-the-job training experiences. Training placements may be in any occupation approved for cooperative education programs. Semi-skilled or single skilled occupations are not allowable for DCP programs. Trade and Industry Courses. Students desiring training in business or high-tech occupations should complete the prerequisite for those pathways before enrolling DCP. Meets the equivalent of 3 hours per day. This course satisfies the physical education requirement.

DIVERSIFIED CAREER PREPARATION II

GRADE: 11-12  CREDIT: 3
PREREQUISITE: Successful completion of DCP Instructor, counselor or approval. 16 years of age, an approved training placement, own transportation, and MUST BE enrolled in the DELTA program.
This course is a continuation of Diversified Career Preparation I and meets the equivalent of 3 hours per day. Semi-skilled or single-skilled occupations are not approved. This course satisfies the physical education requirement.

MANAGEMENT INTERNSHIP PROGRAM

GRADE: 12  CREDIT: 1 1/2
PREREQUISITE: Instructor approval, counselor and/or administrator recommendation, Top 25%, 3.0 GPA.
The program is for high school students who will be instructed in a broad range of management problems, basic concepts of organizations, analysis and management as special assistants to executives in the workplace, i.e., government, educational-cultural institutions, private/public business, and industry. This one-semester course requires 3 hours of seminar instruction and 12 hours of internship weekly.

PEER ASSISTANCE AND LEADERSHIP PAL I

GRADE: 11-12  CREDIT: 1/2 – 1
PREREQUISITE: Instructor approval, counselor and/or administrator recommendation
The PAL course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students on their own campus, and/or from feeder middle and elementary schools. Participants will be trained in a variety of helping skills such as drop out prevention, substance abuse prevention, suicide prevention, low achievement, behavioral and attendance problems.

PEER ASSISTANCE AND LEADERSHIP PAL II

GRADE: 11-12  CREDIT: 1/2 – 1
PREREQUISITE: Peer Assistance and Leadership I
For PAL students who have completed PAL I. All sections, descriptions and components of PAL I course apply equally to PAL II. PAL II students are expected to assume more leadership roles in helping first year PAL students. In addition, a variety of advanced peer assistance service delivery options are available, including peer mediation and Community Service/Service Learning projects for their class and local campus.

TEEN LEADERSHIP

GRADE: 9-12  CREDIT: 1/2 - 1
PREREQUISITE: None
Teen Leadership is a course in which students develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, and an understanding of the concept of personal responsibility. They will develop an understanding of Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Students will develop skills in public speaking, communication, problem solving, and an understanding of personal image, the concept of principle-based decision-making, the effects of...
peer pressure and skills to counteract those effects. They will also learn to make responsible financial decisions. They will develop an understanding of the principles of parenting, enabling them to become better family members and citizens. They will also develop and understand the need for vision in personal and professional goal setting.

**DRIVER AND SAFETY EDUCATION**

**TEA #03000200 9113R**

GRADE: 9-12  CREDIT: 1/2

PREREQUISITE: Limited to students who will be fifteen years old before class ends.

Course includes a minimum of 80-hours of classroom instruction covering the essential elements and consists of a minimum of fifty-six (56) hours of driver education classroom instruction and twenty-four (24) hours of safety education. Students receive a learner’s permit that enables them to complete requirements for a driver’s license.

**D. TECHNOLOGY COURSES THAT SATISFY TECHNOLOGY APPLICATIONS CREDIT REQUIREMENTS FOR GRADUATION:**

* THE FOLLOWING COMPUTER APPLICATION COURSES THAT SATISFY TECHNOLOGY CREDIT FOR GRADUATION:

**COMPUTER SCIENCE I**

**TEA #03580200 3803R**

GRADE: 9-12  CREDIT: 1

PREREQUISITE: Algebra I

Students study computer programming and the development of good coding techniques and apply these skills to relevant applications. This course satisfies Technology Applications credit for graduation.

**COMPUTER SCIENCE IB**

**TEA #13580200 8001I**

GRADE: 9-12  CREDIT: 1

PREREQUISITE: Algebra I

Students study computer programming and the development of good coding techniques and apply these skills to relevant applications. This course satisfies Technology Applications credit for graduation. This course offered at Anderson only.

**COMPUTER SCIENCE II AP**

**TEA #A3580200 3819P**

GRADE: 10-12  CREDIT: 1

PREREQUISITE: Computer Science I

Applies computer skills to relevant applications such as text processing, simulation, modeling, data management and graphics. Continues study of abstract data types (trees), algorithm analysis of searches and sorts. Students produce a complex project that includes learning another language. Credit is available for this course through Tech Prep or Dual Credit. This course satisfies Technology Applications credit for graduation.

**COMPUTER SCIENCE II**

**TEA #03580200 3819R**

GRADE: 10-12  CREDIT: 1

PREREQUISITE: Computer Science I

Applies computer skills to relevant applications such as text processing, simulation, modeling, data management and graphics. Continues study of abstract data types (trees), algorithm analysis of searches and sorts. Students produce a complex project that includes learning another language, or intensive preparation for the Computer Science IB TEST. This course satisfies Technology Applications credit for graduation. This course offered at Anderson only.

**INDEPENDENT STUDY TECHNOLOGY IN APPLICATIONS**

**TEA #03580900 3335H**

GRADE: 10-12  CREDIT: 1

PREREQUISITE:

Completion of a high school technology applications course, Keyboarding, Business Computer Information Systems I, Computer Maintenance (Intro), Computer Applications or Instructor approval.

The student learns to make informed decisions about technologies and technology applications terms, concepts, efficient acquisition, identification of task requirements search strategies access, analyzes, and evaluates the acquired information. Technology Applications are tools that support the work of individuals and groups in solving problems; students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students communicate information in different formats and to diverse audiences. A variety of technologies will be used. Students will analyze and evaluate the results. This course satisfies Technology Applications credit for graduation.
WEB MASTERING  
TEA #03580800  9221R  9222R  9223R  
GRADE: 10-12  CREDIT: 1  
PREREQUISITE: Business Computer Information Systems  
Computer Applications and/or Instructor approval.  
Through the study of technology-related terms, concepts,  
and data input strategies, students will select the  
technology appropriate for the task, synthesize knowledge,  
create a solution, and evaluate the results. A variety of  
technologies will be used. This course satisfies Technology  
Applications credit for graduation.

VIDEO TECHNOLOGY  
TEA #03580700  8755R  
GRADE: 10-12  CREDIT: 1  
PREREQUISITE: Proficiencies in the knowledge and skills in  
Technology Applications (computer literacy 6-8).  
Through the study of Video technology-related terms,  
concepts, and video strategies, students will select the video  
technology appropriate for the task, synthesize knowledge,  
create a solution, evaluate the results and produce a video  
presentation project. This course satisfies Technology  
Applications credit for graduation.

* THE FOLLOWING BUSINESS EDUCATION COURSES SATISFY  
TECHNOLOGY APPLICATIONS CREDIT FOR GRADUATION:  

BUSINESS COMPUTER INFORMATION SYSTEMS I  
TEA #12011200  8193R  
TEA #1201120T  8193$  
GRADE: 10-12  CREDIT: 1  
PREREQUISITE: Keyboarding, or Instructor approval.  
This course introduces basic concepts and skills related to  
computer systems. Special emphasis is placed on word  
processing, database design, electronic spreadsheet, and  
numeric data. Includes introductions to new, emerging  
information processing tools, such as telecommunications  
and integrated software, transporting text and images, and  
desktop publishing. This course satisfies Technology  
Applications credit for graduation.

BUSINESS COMPUTER INFORMATION SYSTEMS II  
TEA #12011300  8197R  
TEA #1201130T  8197$  
GRADE: 10-12  CREDIT: 1  
PREREQUISITE: Business Computer Information I,  
Keyboarding I  
These courses include basic concepts and skills related to  
microcomputer systems. Special emphasis is placed on word  
processing, database design, electronic spreadsheet and  
numeric data. They include introduction to new, emerging  
information processing tools, such as telecommunications  
and integrated software, transporting text and images and  
desktop publishing. This course satisfies Technology  
Applications credit for graduation.

BUSINESS COMPUTER PROGRAMMING  
TEA #12031400  8836R  
GRADE: 11-12  CREDIT: 1  
PREREQUISITE: Keyboarding or equivalent, Business  
Computer Information Systems I or Instructor approval.  
Students analyze programming languages and operating  
systems and solve problems using different types and levels  
of programming languages. This course satisfies Technology  
Applications credit for graduation.

TELECOMMUNICATIONS AND NETWORKING  
TEA #12022700  3826R  
TEA #12022700  3826$  
GRADE: 10-12  CREDIT: 1  
PREREQUISITE: Keyboarding, Business Computer  
Information Systems I, Computer Maintenance (Intro),  
Computer Applications or Instructor approval.  
This course explores the impact of global telecommunications  
on business and society. Characteristics of different kinds of networks will be defined. Network cables will be  
identified, common networking protocols will be examined, and folders/hierarchical storage structures will be  
designed. The components of effective web page organization will be practiced and maintained. This course  
satisfies Technology Applications credit for graduation.
* THE FOLLOWING TECHNOLOGY EDUCATION / INDUSTRIAL TECHNOLOGY COURSES THAT SATISFY TECHNOLOGY CREDIT FOR GRADUATION:

**COMPUTER MULTIMEDIA AND ANIMATION TECHNOLOGY**

**TEA #12362680**  8754R  
**TEA #1236268T**  8754$

**GRADE:** 11-12  
**CREDIT:** 1  
**RECOMMENDED PREREQUISITE:** Computer Applications or Technology Systems or Introduction to Media Technology

This laboratory course focuses on the integration of movie, video, and television production with computer graphics and electronic instrumentation. Students will demonstrate knowledge of legal restrictions and copyright laws related to media technology. Emphasis is on producing products containing video animation. This course satisfies Technology Applications credit for graduation. This course awards Tech Prep credit.

**COMPUTER APPLICATIONS**

**TEA #12341470**  7813R  
**TEA #1234147T**  7813$

**GRADE:** 9-12  
**CREDIT:** 1  
**PREREQUISITE:** Keyboarding, or Instructor approval.

In this activity-based course, students focus on the use of computers in communications, energy, and production technologies. Emphasis is on construction, programming, operation applications, and socioeconomic impact of computers in industry. This course satisfies Technology Applications requirement for graduation. This course also awards Tech Prep credit.

**COMMUNICATION GRAPHICS MODULAR COMPUTER LABORATORY-BASED**

**TEA #12362641**  7617R

**GRADE:** 10-12  
**CREDIT:** 1  
**RECOMMENDED PREREQUISITE:** Communication Systems

In this activity-based course, students explore the resources, processes, management, and products in the technical aspects of photography, graphic arts, electronic communications and telecommunication systems. The course emphasizes problem solving, design principles, technical standards and use of related equipment. This modular computer laboratory-based class satisfies the Technology Applications requirement for graduation.

**TECHNOLOGY SYSTEMS MODULAR COMPUTER LABORATORY-BASED**

**TEA #12331321**  7113R

**GRADE:** 9-12  
**CREDIT:** 1  
**PREREQUISITE:** None

This overview course is designed to introduce the application of technology to communication, computer applications, construction, energy, power, transportation, and manufacturing. This course satisfies the Technology Applications requirement for graduation.

**BUSINESS MANAGEMENT AND MULTIMEDIA**

**TEA #12022300**  0443R  
**TEA #1202230T**  0443$

**GRADE:** 10-12  
**CREDIT:** 1  
**PREREQUISITE:** Keyboarding or Instructor approval.

The student demonstrates proficiency in developing professional oral and visual communication skills translate and interpret audio and video materials such as charts, graphs, pictures, and maps for use in production development design and make audio-visual business presentations, identify the components and types of multimedia presentations. Analyze the cost, availability and effectiveness of layout, color, special effects, and media objects in text documents and multimedia presentations; import graphics, sound, and video objects into text documents and presentations, using CD-ROM, World Wide Web, and integrate media devices into document and presentation preparation using image management technology. This course awards Tech Prep credit.