CA40N1  Small Animal Management (SMANIMGT)
PEIMS #13000400  Recommended Grade Placement: 9-12
1 credit – state

Schools Offering (El Dorado)
To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

CA60N1  Veterinary Medical Applications (VETMEDAP)
PEIMS #13000600  Recommended Grade Placement: 10-11
1 credit – state

Schools Offering (El Dorado)
To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

CA70N1  Advanced Animal Science (ADVANSCI)
PEIMS #13000700  Recommended Grade Placement: 11-12
1 credit – state

Schools Offering (El Dorado)
This course is recommended for students in Grade 12. Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).

CA18N1  Principles and Elements of Floral Design (PEFLDSN)
PEIMS #13001800  Recommended Grade Placement: 11-12
1 credit – state

Schools Offering (El Dorado)
To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop students’ ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.
Revised 11-4-11

CA19N1  Landscape Design and Turf Grass Management (LNDTGMGT)
PEIMS #13001900  Recommended Grade Placement: 9-10  1 credit – state

Schools Offering (El Dorado)
To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management techniques and practices.

CA20N1  Horticulture Science (HORTSCI)
PEIMS #13002000  Recommended Grade Placement: 10-11  1 credit – state

Schools Offering (El Dorado)
To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

CA21N1  Advanced Plant and Soil Science (ADVPSSCI)
PEIMS #13002100  Recommended Grade Placement: 11-12  1 credit – state

Schools Offering (El Dorado)
1. Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.
2. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science.
3. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

CA25N2  Practicum in Agriculture, Food, and Natural Resources (PRACAFNR)
PEIMS #13002500  Recommended Grade Placement: 11  2 credit – state

Schools Offering (El Dorado)
The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.

CA26N2  Practicum in Agriculture, Food, and Natural Resources II (PRACAFN2)
PEIMS #13002510  Recommended Grade Placement: 12

The practicum is designed to give students additional supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.
Architecture & Construction

CB46N1  Architectural Design  (ARCHDSN)
PEIMS #13004600  Recommended Grade Placement: 10-12  1 credit – state
Schools Offering (All Campuses)
In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

CB47N2  Advanced Architectural Design  (ADVARCH)
PEIMS #13004700  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (All Campuses)
In Advanced Architectural Design, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

CB48N2  Practicum in Architectural Design  (PRACADSN)
PEIMS #13004800  Recommended Grade Placement: 12  2 credit – state
Schools Offering (All Campuses)
Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

CB51N1  Construction Technology  (CONSTECH)
PEIMS #13005100  Recommended Grade Placement: 10-12  1 credit – state
Schools Offering (Montwood and Socorro)
In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

CB52N2  Advanced Construction Technology  (ADVCONST)
PEIMS #13005200  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (Montwood and Socorro)
In Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills.
Mill and Cabinetmaking Technology (MACTECH)

PEIMS #13005300  Recommended Grade Placement: 11-12  2 credit – state

Schools Offering (Montwood)

In Mill and Cabinetmaking Technology, students gain knowledge and skills specific to those needed to enter the work force in the area of mill work and cabinet manufacturing and installation. The student may also apply these skills to professions in carpentry or building maintenance supervision or use the skills as a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in cabinet design, tool usage, jointing methods, finishes, and numerical and computer control production methods.

Electrical Technology (ELECTECH)

PEIMS #13005600  Recommended Grade Placement: 10-12  1 credit – state

Schools Offering (Americas, Montwood, and Socorro)

In Electrical Technology, students gain knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Advanced Electrical Technology (ADVELECT)

PEIMS #13005700  Recommended Grade Placement: 11-12  2 credit – state

Schools Offering (Americas, Montwood, and Socorro)

In Advanced Electrical Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance technician or supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.

Heating Ventilation and Refrigeration Technology (HVAC) (HVACREF)

PEIMS #13005800  Recommended Grade Placement: 10-12  1 credit – state

Schools Offering (El Dorado)

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, students gain knowledge and skills specific to those needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance technician or supervisor or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, principles of HVAC theory, tools, codes, and installation of HVAC and refrigeration equipment.

Advanced Heating Ventilation and Refrigeration Technology (HVAC) (ADVHVAC)

PEIMS #13005900  Recommended Grade Placement: 11-12  2 credit – state

Schools Offering (El Dorado)

In Advanced Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, students gain advanced knowledge and skills specific to those needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of commercial HVAC equipment, heat pumps, trouble shooting techniques, various duct systems, and maintenance practices.

Practicum in Construction Management (PRACCONS)

PEIMS #13006200  Recommended Grade Placement: 12  2 credit – state

Schools Offering (All Campuses)

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.
Arts, A/V Technology & Communications

CC83N1  Animation  ANIMAT
PEIMS #13008300  Recommended Grade Placement: 10-11
Schools Offering (All Campuses)
Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

CC84N2  Advanced Animation  ADVANIM
PEIMS #13008400  Recommended Grade Placement: 11-12
Schools Offering (Americas HS – 2012-13)
Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

CC85N1  Audio/Video Production  (AVPROD)
PEIMS #13008500  Recommended Grade Placement: 10-12  1 credit – state
Schools Offering (All Campuses)
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

CC86N2  Advanced Audio/Video Production  (ADVADPRO)
PEIMS #13008600  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (All Campuses)
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

CC87N2  Practicum in Audio/Video Production  (PRACAVT)
PEIMS #13008700  Recommended Grade Placement: 12  2 credit – state
Schools Offering (All Campuses)
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be implemented in an advanced audio, video, or animation format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.
CC88N1 Graphic Design and Illustration (GRAPHDI)
PEIMS #13008800 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (Americas)
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

CC89N2 Advanced Graphic Design and Illustration 11-12 (ADVGRADI)
PEIMS #13008900 Recommended Grade Placement: 2 credit – state
Schools Offering (Americas)
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

CC90N2 Practicum in Graphic Design and Illustration 12 (PRACGRADI)
PEIMS #13009000 Recommended Grade Placement: 2 credit – state
Schools Offering (Americas)
Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

CC93N1 Fashion Design (FASHDSN)
PEIMS #13009300 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (Americas)
Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries.

CC94N2 Advanced Fashion Design (ADVFASHD)
PEIMS #13009400 Recommended Grade Placement: 11-12 2 credit – state
Schools Offering (Americas)
Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of fashion, with emphasis on design and production.

CC93C2 CTED Fashion Design (Textiles and Sewing) (FASHDSN)
PEIMS #13009300 Recommended Grade Placement: 10-12 2 credit – state
Schools Offering (All Campuses)
Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries.
Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of fashion, with emphasis on design and production.

**Practicum in Fashion Design (Textiles and Sewing)**

**PEIMS #13009500**  
Recommended Grade Placement: 11-12  
2 credit – state

**Schools Offering (All Campuses)**

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**Practicum in Fashion Design II (Textiles and Sewing)**

**PEIMS #13009510**  
Recommended Grade Placement: 12  
2 credit – state

**Schools Offering (All Campuses)**

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.
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Schools Offering (All Campuses)

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.
Revised 11-4-11

CD17N1  Business Law  (BUSLAW)  
PEIMS  #13011700  Recommended Grade Placement: 11-12  1 credit – state
Schools Offering (All Campuses)
Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. 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.

CD19N1  Human Resources Management  (HRMGT)  
PEIMS  #13011900  Recommended Grade Placement: 11-12  1 credit – state
Schools Offering (All Campuses)
Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

CD20N1  Virtual Business  (VIRTBUS)  
PEIMS  #13012000  Recommended Grade Placement: 10-12  1 credit – state
Schools Offering (All Campuses)
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. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Students will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

CD22N3  Practicum in Business Management  (PRACBM)  
PEIMS  #13012200  Recommended Grade Placement: 12  3 credits – state
Schools Offering (Americas, Montwood, and Socorro)
The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.
Education & Training

CE42N1  Principles of Education and Training  (PRINEDTR)
PEIMS #13014200  Recommended Grade Placement: 9  1 credit – state
Schools Offering (All Campuses)
Principles of Education and Training is a course designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

CE43N1  Human Growth and Development  (HUGRDEV)
PEIMS #13014300  Recommended Grade Placement: 10  1 credit – state
Schools Offering (All Campuses)
Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

CE44N1  Instructional Practices in Education and Training  (INPREDTR)
PEIMS #13014400  Recommended Grade Placement: 12  1 credit – state
Schools Offering (All Campuses)
Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

CE45N2  Practicum in Education and Training  (PRACEDTR)
PEIMS #13014500  Recommended Grade Placement: 11  2 credit – state
Schools Offering (All Campuses)
Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to 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, trainers, paraprofessionals, or other educational personnel.
CE46N2 Practicum in Education and Training II (PRACEDTR)
PEIMS #13014510 Recommended Grade Placement: 12 2 credit – state

Schools Offering (All Campuses)
Practicum in Education and Training II is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to 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, trainers, paraprofessionals, or other educational personnel.
Revised 11-4-11

Finance

CF63N1 Banking and Financial Services (BANKFIN)
PEIMS #13016300 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (All Campuses)
Students develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

CF66N1 Accounting I (ACCOUNT1)
PEIMS #13016600 Recommended Grade Placement: 11-12 1 credit – state
Schools Offering (All Campuses)
Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

CF67N1 Accounting II (ACCOUNT2)
PEIMS #13016700 Recommended Grade Placement: 12 1 credit – state
Schools Offering (All Campuses)
Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.
(1) The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

(2) To pursue a career in the health science industry, students should recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

(1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. All students enrolled in HST will perform Clinical Rotations during their Junior year.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.
Practicum in Health Science II (EMT) (PRACHLS2)
PEIMS #13020510 Recommended Grade Placement: 12 2 credit – state

Schools Offering (Socorro)

(1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

Practicum in Health Science II (Pre-Dentistry) (PRACHLS2)
PEIMS #13020510 Recommended Grade Placement: 12 2 credit – state

Schools Offering (Socorro)

(1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

Practicum in Health Science II (Pharmacy Tech.) (PRACHLS2)
PEIMS #13020510 Recommended Grade Placement: 12 2 credit – state

Schools Offering (Socorro)

(1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.
Anatomy and Physiology (ANATPHYS)

Recommended Grade Placement: 11-12

1 credit – state

Schools Offering (All Campuses)

(1) Anatomy and Physiology. In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

(2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

(3) Scientific inquiry. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

(4) Science and social ethics. Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).

(5) Science, systems, and models. A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

Medical Microbiology (MICRO)

Recommended Grade Placement: 9-12

1 credit – state

Schools Offering (El Dorado and Socorro)

(1) Medical Microbiology. Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

(2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

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CH08N1 Pathophysiology (PATHO)
PEIMS #13020800 Recommended Grade Placement: 11-12 1 credit – state
Schools Offering (El Dorado and Socorro)

(1) Pathophysiology. In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

(2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

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CH09N1 World Health Research (WORLDHR)
PEIMS #13020900 Recommended Grade Placement: 12 1 credit – state
Schools Offering (No Campuses)

This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

PROJECT LEAD THE WAY – BIOMEDICAL ENGINEERING (Eastlake)

CH12N1 Principles of Biomedical Sciences (EDD)
PEIMS # N1303749 Recommended Grade Placement: 9 1 Credit – state
School Offering: (Eastlake)

Student work involves the study of human medicine, research processes, an introduction to bioinformatics, and the use of computer science, mathematics, and information theory to model and analyze biological systems. Students investigate the human body systems and various health conditions including: heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key biological concepts including homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are incorporated in the curriculum. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.
Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as “parts of a whole,” working together to keep the amazing human machine functioning at an optimal level.

Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students work through interesting real-world cases and play the role of biomedical professionals to solve medical mysteries.

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. These scenarios expose students to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across generations of a family and provide a look at the past, present and future of biomedical sciences. Lifestyle choices and preventive measures are emphasized throughout the course as are the important roles scientific thinking and engineering design play in the development of interventions of the future.

Students apply their knowledge and skills to answer questions and solve problems related to the biomedical sciences. In this capstone course, they may consult with a mentor or advisor from a university, hospital, physician’s office, or industry. Students are expected to present the results of their work to an adult audience, which may include representatives from the local healthcare or business community or the school’s Partnership Team.
**Hospitality**

CI24N1  
**Restaurant Management**  
(RESTMGT)  
PEIMS #13022400  
Recommended Grade Placement: 10-11  
1 credit – state  
Schools Offering (All Campuses)  
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CI24C1  
**CTED Restaurant Management**  
(RESTMGT)  
PEIMS #13022400  
Recommended Grade Placement: 10-12  
1 credit – state  
Schools Offering (Options)  
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CI26N2  
**Culinary Arts**  
(CULARTS)  
PEIMS #13022600  
Recommended Grade Placement: 11-12  
2 credits – state  
Schools Offering (All Campuses)  
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CI26C2  
**CTED Culinary Arts**  
(CULARTS)  
PEIMS #13022600  
Recommended Grade Placement: 11-12  
2 credits – state  
Schools Offering (Options)  
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CI27N2  
**Practicum in Culinary Arts**  
(PRACCAL)  
PEIMS #13022700  
Recommended Grade Placement: 12  
2 credits – state  
Schools Offering (All Campuses)  
This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.
Revised 11-4-11

CI27C3  CTED Practicum in Culinary Arts (PRACCUL)
PEIMS #13022700  Recommended Grade Placement: 12  3 credits – state
Schools Offering (Options)
This course is a unique practicum that provides occupationally specific opportunities for students to partake in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

CI30N1  Food Science (FOODSCI)
PEIMS #13023000  Recommended Grade Placement: 1 credit – state
Schools Offering (All Campuses)
Food Science. In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

CI30C1  CTED Food Science (FOODSCI)
PEIMS #13023000  Recommended Grade Placement: 1 credit – state
Schools Offering (Options)
Food Science. In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.
### Human Services

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Recommended Grade Placement</th>
<th>Credit Type</th>
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</thead>
<tbody>
<tr>
<td>CJ43N1</td>
<td>Dollars and Sense</td>
<td>11</td>
<td>½ credit</td>
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<tr>
<td>13024300</td>
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Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

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<tbody>
<tr>
<td>CJ44N1</td>
<td>Interpersonal Studies</td>
<td>9-12</td>
<td>1 credit – state</td>
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<tr>
<td>PEIMS #13024400</td>
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Schools Offering (El Dorado)

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

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<tbody>
<tr>
<td>CJ45N1</td>
<td>Lifetime Nutrition and Wellness</td>
<td>9-12</td>
<td>1 credit – state</td>
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<td>PEIMS #13024500</td>
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Schools Offering (All Campuses)

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

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<tr>
<td>CJ46N1</td>
<td>Counseling and Mental Health</td>
<td>10-12</td>
<td>1 credit – state</td>
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<tr>
<td>PEIMS #13024600</td>
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Schools Offering (El Dorado)

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

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<tbody>
<tr>
<td>CJ47N1</td>
<td>Child Development</td>
<td>10</td>
<td>1 credit – state</td>
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<tr>
<td>PEIMS #13024700</td>
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Schools Offering (All Campuses)

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related

<table>
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<tbody>
<tr>
<td>CJ48N1</td>
<td>Child Guidance</td>
<td>11</td>
<td>1 credit – state</td>
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<td>PEIMS #13024800</td>
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Schools Offering (All Campuses)

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs.
Practicum in Human Services  
**Recommended Grade Placement:** 11-12  
2 credit – state

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills described in subsection (c) of this section for communication, critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, teamwork, and entrepreneurship.

**CTED Introduction to Cosmetology (Nail Technology)**  
**Recommended Grade Placement:** 11  
1 credit – state

Schools Offering (East Lake High School)

Students explore areas such as bacteriology, sterilization and sanitation, hair styling, manicuring, shampooing and the principles of hair cutting, hair styling, hair coloring, skin care, and facial makeup. The student researches careers in the personal care services industry. To prepare for success, students must have skills relative to this industry, as well as academic knowledge and skills. Students may begin to earn clock hours toward state licensing requirements.

**Cosmetology I**  
**Recommended Grade Placement:** 11  
3 credit – state

Schools Offering (All Campuses)

Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included.

**Cosmetology II**  
**Recommended Grade Placement:** 12  
3 credit – state

Schools Offering (All Campuses)

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills to a variety of settings and problems.
Information Technology

CK73N1 Computer Maintenance (COMPMTN)
PEIMS #13027300 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (All Campuses)
Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

CK74N2 Telecommunications and Networking (TELECOMN)
PEIMS #13027400 Recommended Grade Placement: 11-12 2 credit – state
Schools Offering (All Campuses)
Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

CK75N2 Computer Technician (COMPTECH)
PEIMS #13027500 Recommended Grade Placement: 11-12 2 credit – state
Schools Offering (All Campuses)
Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both.

CK76N1 Computer Programming (COMPPROG)
PEIMS #13027600 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (All Campuses)
Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

CK77N1 Advanced Computer Programming (ADVCOMPP)
PEIMS #13027700 Recommended Grade Placement: 12 1 credit – state
Schools Offering (All Campuses)
Students expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students analyze the social responsibility of business and industry regarding the significant issues relating to environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.
Revised 11-4-11

CK78N1 Digital and Interactive Media (DIMEDIA)
PEIMS #13027800 Recommended Grade Placement: 10-12 1 credit – state

Schools Offering (All Campuses)
Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

CK79N1 Web Technologies (WEBTECH)
PEIMS #13027900 Recommended Grade Placement: 10-12 1 credit – state

Schools Offering (All Campuses)
Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.
Law, Public Safety, Corrections, & Security

CL92N1 Principles of Law, Public Safety, Corrections, and Security (PRINLPCS)
PEIMS #13029200 Recommended Grade Placement: 9-12 1 credit – state
Schools Offering (All Campuses)
Principles of Law, Public Safety, Corrections, and Security course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

CL93N1 Law Enforcement I (LAWENF1)
PEIMS #13029300 Recommended Grade Placement: 10-12 1 credit – state
Schools Offering (All Campuses)
Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

CL94N1 Law Enforcement II (LAWENF2)
PEIMS #13029400 Recommended Grade Placement: 12 1 credit – state
Schools Offering (All Campuses)
Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

CL95N1 Forensic Science (FORENSCI)
PEIMS #13029500 Recommended Grade Placement: 12 1 credit – state
Schools Offering (All Campuses)
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

CL96N1 Court Systems and Practices (COURTSP)
PEIMS #13029600 Recommended Grade Placement: 11-12 1 credit – state
Schools Offering (All Campuses)
Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.
Revised 11-4-11

CL97N1  Correctional Services (CORRSRVS)
PEIMS #13029700  Recommended Grade Placement: 9-12  1 credit – state
Schools Offering (All Campuses)
In Correctional Services, students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization.

CL98N1  Security Services (SECSRVS)
PEIMS #13029800  Recommended Grade Placement: 12  1 credit – state
Schools Offering (All Campuses)
Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information.

CL99N2  Firefighter I (FIRE1)
PEIMS #13029900  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (El Dorado and Socorro)
Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety.

CL00N2  Firefighter II (FIRE2)
PEIMS #13030000  Recommended Grade Placement: 12  2 credit – state
Schools Offering (El Dorado and Socorro)
Firefighter II is the second in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students will use procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus.

CL01N2  Practicum in Law, Public Safety, Corrections, and Security (PRACLPCS)
PEIMS #13030100  Recommended Grade Placement: 12  2 credit – state
Schools Offering (All Campuses)
The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Manufacturing

CM23N1  Welding  (WELD)
PEIMS #13032300  Recommended Grade Placement: 10-12  1 credit – state
Schools Offering (Americas and El Dorado)
Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

CM24N2  Advanced Welding  (ADVWELD)
PEIMS #13032400  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (Americas and El Dorado)
Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

CM30N2  Practicum in Manufacturing  (PRACMANU)
PEIMS #13033000  Recommended Grade Placement: 12  2 credit – state
Schools Offering (Americas and El Dorado)
The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Marketing, Sales, & Service

CN42N1  Advertising and Sales Promotion  (ADVSALPR)
PEIMS #13034200  Recommended Grade Placement: 9-12  .5 credit – state
Schools Offering (Americas, El Dorado, and Socorro) Fall
Advertising and Sales Promotion is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

CN43N1  Fashion Marketing  (FASHMKTG)
PEIMS #13034300  Recommended Grade Placement: 9-12  .5 credit – state
Schools Offering (Americas, El Dorado, and Socorro) Spring
Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

CN46N1  Sports and Entertainment Marketing  (SPORTSEM)
PEIMS #13034600  Recommended Grade Placement: 9-12  .5 credit – state
Schools Offering (Americas, El Dorado, and Socorro) Spring
This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

CN47N3  Marketing Dynamics  (MKTGDYN)
PEIMS #13034700  Recommended Grade Placement: 11-12  3 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience.

CN48N3  Practicum in Marketing Dynamics I  (PRACMKTG)
PEIMS #13034800  Recommended Grade Placement: 12  3 credit – state
Schools Offering (Americas, El Dorado and Socorro HS)
Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.
Revised 11-4-11

CN49N3          Practicum in Marketing Dynamics II (PRACMKT2)
PEIMS #13034810   Recommended Grade Placement: 12                     3 credit – state

Schools Offering (Americas, El Dorado, and Socorro)
Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.

CN42C          CTED Advertising and Sales Promotion (ADVSALPR)
PEIMS #13034200  Recommended Grade Placement: 9-12                   .5 credit – state

Schools Offering (Options) Fall
Advertising and Sales Promotion is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

CN47C2          CTED Marketing Dynamics (MKTGDYN)
PEIMS #13034700  Recommended Grade Placement: 11-12                   2 credits – state

Schools Offering (Options)
Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience.

CN43C1          CTED Fashion Marketing (FASHMKTG)
PEIMS #13034300  Recommended Grade Placement: 9-12                   .5 credit – state

Schools Offering (Options)
Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

CN48N3          CTED Practicum in Marketing Dynamics I (PRACMKTG)
PEIMS #13034800  Recommended Grade Placement: 12                     3 credit – state

Schools Offering (Option)
Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.
Science, Technology, Engineering, & Mathematics

CO62N1  Concepts of Engineering and Technology  (CONCENT)
PEIMS #13036200  Recommended Grade Placement: 10-11  1 credit – state
Schools Offering (Eastlake)
Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

CO65N1  Engineering Design and Presentation  (ENGDSPR)
Schools Offering (All Campuses)
PEIMS #13036500  Recommended Grade Placement: 11-12  1 credit – state
Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

CO66N2  Advanced Engineering and Presentation  (AVENGDSP)
PEIMS #13036600  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (All Campuses)
This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process.

CO74N2  Practicum in Science, Technology, Engineering, and Mathematics I  (PRACSTEM)
PEIMS #13037400  Recommended Grade Placement: 12  2 credit – state
Schools Offering (All Campuses)
The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

CO76N2  Practicum in Science, Technology, Engineering, and Mathematics II  (PRACSTE2)
PEIMS #13037640  Recommended Grade Placement: 12  2 credit – state
Schools Offering (All Campuses)
The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Revised 11-4-11

CO68N1  Electronics  ELECTRO
PEIMS #13036800  Recommended Grade Placement: 10-11  1 credit – state
School Offering (Eastlake)
Students enrolled in this course will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students explore career opportunities, employer expectations, and educational needs in the electronics industry.

CO69N2  Advanced Electronics  ADVELECT
PEIMS #13036900  Recommended Grade Placement: 11-12  2 credit – state
School Offering (Eastlake)
Students enrolled in this course will demonstrate knowledge and applications of advanced circuits, electrical measurement, and electrical implementation used in the electronics and computer industries. Through use of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Additionally, students explore career opportunities, employer expectations, and educational needs in the electronics industry.
Revised 11-4-11

**STEM – Science and Math**

**CO71N1**  
**Principles of Technology** (Physics Credit)  
**PEIMS #13037100**  
**Recommended Grade Placement: 11**  
1 credit – state  

In Principles of Technology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

**CO72N1**  
**Scientific Research and Design I**  
**PEIMS #13037200**  
**Recommended Grade Placement: 11-12**  
1 credit – state  

Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

Scientific inquiry. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

Science and social ethics. Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).

(4) Scientific systems. A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

**CO77N1**  
**Scientific Research and Design II**  
**PEIMS #13037210**  
**Recommended Grade Placement: 12**  
1 credit – state  

Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

Scientific inquiry. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

Science and social ethics. Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).

(4) Scientific systems. A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.
Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines.

Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well defined toward more open ended, with real-world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering.

Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

**PROJECT LEAD THE WAY – ENGINEERING**

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th or 10th grade students. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

This survey course of engineering exposes students to some of the major concepts they’ll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.
CT05N1  Engineering Design and Development (AERO)
PEIMS #N1303745  Recommended Grade Placement: 12  1 Credit – state
This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the “Don’t you hate it when…” statements of the world. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development lifecycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead The Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable asset to students in the future.

CT06N1  Civil Engineering and Architecture (BIOENG)
PEIMS #N1303746  Recommended Grade Placement: 10-12  1 Credit - state
The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.
Transportation, Distribution & Logistics

CP93N1  Energy, Power, and Transportation Systems (EPTSYS)
PEIMS #13039300  Recommended Grade Placement: 9-10  1 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
The businesses and industries of the Transportation, Distribution, and Logistics cluster are rapidly expanding to provide new career opportunities. Students will need to understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Performance requirements will include academic and technical skills. Students prepared to meet the expectations of employers in this industry must be able to interact and relate to others and understand the technologies used in order to provide products and services in a timely manner. The increasing demand for employees will provide growth potential.

CP96N2  Automotive Technology (Brakes and Steering & Suspension) (AUTOTECH)
PEIMS #13039600  Recommended Grade Placement: 10-12  2 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

CP97N2  Advanced Auto Technology (Auto Electric/Engine Performance) (ADVAUTOT)
PEIMS #13039700  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
The principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

CP04N2  Practicum in Transportation, Distribution, and Logistics (PRACTDL)
PEIMS #13040400  Recommended Grade Placement: 11-12  2 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
The Practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

CP05N2  Practicum in Transportation, Distribution, and Logistics II (PRACTDL2)
PEIMS #13040410  Recommended Grade Placement: 12  2 credit – state
Schools Offering (Americas, El Dorado, and Socorro)
The Practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.
Revision 11-4-11

Skill for Career Development Orientation

High School

CS 13N3 Career Preparation I (CAREERP1)
PEIMS #12701300 Recommended Grade Placement: 11-12 3 credit – state
Schools Offering (All Campuses)
Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

CS 13C3 CTED Career Preparation I (CAREERP1)
PEIMS #12701300 Recommended Grade Placement: 11-12 3 credit – state
Schools Offering (Options)
Career Preparation I course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

CS14N3 Career Preparation II (CAREERP2)
PEIMS #12701400 Recommended Grade Placement: 11-12 3 credit – state
Schools Offering (All Campuses)
Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation.

CS14C3 CTED Career Preparation II (CAREERP2)
PEIMS #12701400 Recommended Grade Placement: 11-12 3 credit – state
Schools Offering (Options)
Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation.
Problems and Solutions I (Satisfies DAP Requirement) (PROBS1)

Recommended Grade Placement: 11-12

1 credit – state

Problems and Solutions II (Satisfies DAP Requirement) (PROBS2)

Recommended Grade Placement: 11-12

1 credit – state

Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program.
Middle School

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The career development process is unique to every person and evolves throughout one's life. Students will use decision-making and problem-solving skills for college and career planning. Students will explore valid, reliable educational and career information to learn more about themselves and their interests and abilities. Students integrate skills from academic subjects, information technology, and interpersonal communication to make informed decisions. This course is designed to guide students through the process of investigation and in the development of a college and career achievement plan. Students will use interest inventory software or other tools to explore areas of personal interest. Students will use this information to explore educational requirements for a variety of chosen career paths. Districts have the flexibility of offering career exploration knowledge and skills in a variety of instructional arrangements.

The goal of this course is to create a culture of high expectation and continuous improvement that provides middle school students with a foundation for success in high school, future studies, and careers. Students explore college and career planning within specific career cluster(s). The students research labor market information, learn job-seeking skills, and create documents required for employment. Students use self-knowledge to explore and set realistic goals. Districts have the flexibility of offering career exploration knowledge and skills in a variety of instructional arrangements.

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.