COLLABORATIVE ALLIANCE FOR

RGV-CAREER

RURAL EDUCATION AND EMPLOYMENT RESOURCES

2024-2025

Course Catalog

Law and Public Service Career Cluster

Program of Study: Law Enforcement

Principles of Law, Public Safety, Corrections, and Security

TSDS PEIMS Code: 13029200 (PRINLPCS)

Grade Placement: 9   Credit: 1

Prerequisite: None.

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, 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, protective services, and corrections.

Law Enforcement I

TSDS PEIMS Code: 13029300 (LAWENF1)

Grade Placement: 10   Credit: 1

Prerequisite: None.

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security.

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Law Enforcement II
TSDS PEIMS Code: 13029400 (LAWENF2)
Grade Placement: 11   Credit: 1
Prerequisite: Law Enforcement l.

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Practicum in Law, Public Safety, Corrections, and Security
TSDS PEIMS Code: 13030100 (PRACLPS1)
Grade Placement: 12   Credit: 2
Prerequisite: Law Enforcement II.

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

COLLABORATIVE ALLIANCE FOR

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RURAL EDUCATION AND EMPLOYMENT RESOURCES

Manufacturing Career Cluster

Program of Study: Welding

Principles of Manufacturing
TSDS PEIMS Code: 13032200 (PRINMAN)
Grade Placement: 9   Credit: 1
Prerequisite: None.
Recommended Prerequisites: Algebra I or Geometry.

In Principles of Manufacturing, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.

Introduction to Welding
TSDS PEIMS Code: 13032250 (INTRWELD)
Grade Placement: 10   Credit: 1
Prerequisite: None.
Recommended Prerequisite: Algebra I.

Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. This course will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Manufacturing Career Cluster

Program of Study: Welding

Welding I

TSDS PEIMS Code: 13032300 (WELD1)

Grade Placement: 11   Credit: 2

Prerequisites: Algebra I, Principles of Manufacturing or Introduction to Welding.

Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will 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.

Welding II

TSDS PEIMS Code: 13032400 (WELD2)

Grade Placement: 12   Credit: 2

Prerequisites: Welding I.

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate 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.

Education and Training Career Cluster

Program of Study: Teaching & Training

Principles of Education and Training
TSDS PEIMS Code: 13014200 (PRINEDTR)
Grade Placement: 9   Credit: 1
Prerequisite: None.

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self- knowledge as well as educational and career information to analyze various 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.

Communication and Technology in Education
TSDA PEIMS Code: N1300510 (CMTCHED)
Grade Placement: 10   Credit: 1
Recommended Prerequisite: Principles of Education and Training.

Communication and Technology in Education is an extended course of study designed to provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use. This course provides an opportunity for students to participate in training related to Google for Education, Microsoft Office Fundamentals, Common Sense Media and Digital Citizenship as they relate to standards set by the International Society for Technology in Education (ISTE).

Education and Training Career Cluster

Program of Study: Teaching & Training

Instructional Practices

TSDS PEIMS Code: 13014400 (INPRAC)

Grade Placement: 11   Credit: 2

Prerequisite: Communication and Technology in Education

Instructional Practices is a field-based (practicum) 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, middle childhood, and adolescence 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.

Practicum in Education & Training

TSDS PEIMS Code: 13014500 (PRACEDT1)

Grade Placement: 12   Credit: 2

Prerequisite: Instructional Practices

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, middle childhood, and adolescence 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.

Program of Study: Business Management

Business Information Management I
TSDS PEIMS Code: 13011400 (BUSIM1)
Grade Placement: 9   Credits: 1
Prerequisite: None.
Recommended Prerequisite: Touch System Data Entry.

In Business Information Management I, 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.

Business Information Management II
TSDS PEIMS Code: 13011500 (BUSIM2)
Grade Placement: 10   Credits: 1
Prerequisite: Business Information Management l.

In Business Information Management II, 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.

Business, Marketing and Finance Career Cluster

Program of Study: Business Management

Business Management
TSDS PEIMS Code: 13012100 (BUSMGT)
Grade Placement: 11   Credits: 1
Prerequisite: Business Information Management II.

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Career Preparation for Programs of Study
TSDS PEIMS Code: 12701121 (CPPS1)
Grade Placement: 12   Credit: 2
Prerequisite: None.

Career Preparation for Programs of Study provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Arts, Audio Visual Technology and Communication Career Cluster

Program of Study: Digital Communications

Principles of Arts, Audio/Video Technology, and Communications

TSDS PEIMS Code: 13008200 (PRINAAVTC)

Grade Placement: 9   Credits: 1

Prerequisite: None.

The goal of this course is that the student understands arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Audio/Video Production I

TSDS PEIMS Code: 13008500 (AVPROD1)

Grade Placement: 10   Credits: 1

Prerequisite: None.

Recommended Prerequisite: Principles of Arts, Audio/Video Technology, and Communications.

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 postproduction audio and video products.

Arts, Audio Visual Technology and Communication Career Cluster

Program of Study: Digital Communications

Audio/Video Production II/Audio/Video Production II Lab
TSDS PEIMS Code: 13008610 (AVPLAB2)
Grade Placement: 11   Credits: 2
Prerequisite: Audio/Video Production I.

Building upon the concepts taught in Audio/Video Production, 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 products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills. This course may be implemented in an audio format or a format with both audio and video. Requiring a lab requisite for the course affords necessary time devoted specifically to the production and post-production process.

Practicum in Audio/Video Production
TSDS PEIMS Code: 13008700 (PRACAVP1)
Grade Placement: 12   Credits: 2
Prerequisites: Audio/Video Production II/Lab.

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, 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 preproduction, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Health Science Career Cluster

Program of Study: Diagnostic & Therapeutic Services

Principles of Health Science

TSDS PEIMS Code: 13020200 (PRINHLSC)

Grade Placement: 9   Credit: 1

Prerequisite: None.

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Medical Terminology

TSDS PEIMS Code: 13020300 (MEDTERM)

Grade Placement: 10   Credit: 1

Recommended Prerequisite: Principles of Health Science.

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Career Cluster

Program of Study: Diagnostic & Therapeutic Services

Health Science Theory
TSDS PEIMS Code: 13020400 (HLTHSCI)
Grade Placement: 11   Credit: 1
Prerequisites: Biology and Medical Terminology.

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Practicum in Health Science
TSDS PEIMS Code: 13020500 (PRACHLS1)
Grade Placement: 12   Credit: 2
Prerequisites: Health Science Theory and Biology.

The Practicum in Health Science course 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.