

Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**Lifetime Nutrition and Wellness** - 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.

Texas Food Handlers certification is acquired by students.



### Computer Programming

Prerequisite: Business Information Management I

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.

### Digital and Interactive Media

Prerequisite: Business Information Management I

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.

### Web Technologies

Prerequisite: Business Information Management I

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.

### Database Fundamentals

Prerequisite: Business Information Management I

### Database Programming

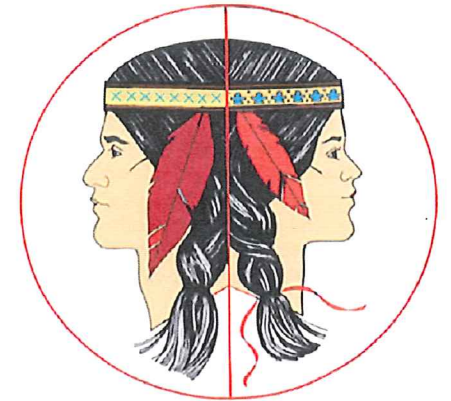
Prerequisite: Database Fundamentals

These offerings provide a foundation in database, programming, and professional skills curriculum. These courses are intended to give students a competitive edge in the job market and provide preparation for higher education while encompassed in a student-focused curriculum. This curriculum is collaborative, project-based, and focused on critical thinking. Oracle Database Administrator Certification upon successful completion of both years of Database courses.

It is the policy of the Jourdanton Independent School District not to discriminate on the basis of sex, handicap, race, color, age, or national origin and to take steps to assure that the lack of English language skills will not be a barrier in its educational and career and technology programs, services, activities or employment as required by Title IX, Section 504 and Title VI.

Es la política del distrito independiente de la escuela de Jourdanton a no discriminar sobre la base del sexo, desventaja, raza, color, edad, u origen nacional y para no tomar medidas para asegurar que la carencia de las habilidades de lengua inglesa no ser á una barrera en sus programas educativos y de la carrera y de la tecnología, los servicios, las actividades o el empleo según los requisitos del título IX, la sección 504 y el título VI.

# Jourdanton High School



## Career and Technical Education

200 Zanderson Avenue

Jourdanton, TX 78026

830-769-2350

Fax: 830-769-3065

[www.jourdantonisd.net](http://www.jourdantonisd.net)

## CAREER CLUSTERS AND COURSES



**Principles of Agriculture, Food and Natural Resources** This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

**Livestock Production** - Students will acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy, cattle, swine, sheep, goats, and poultry.

**Advanced Animal Science** - This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

**Wildlife, Fisheries and Ecology Management** - This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

Texas Hunter Education Certification exam is offered.

**Food Technology and Safety** - This course examines the food technology industry as it relates to food production, handling, and safety.

**Agricultural Mechanics and Metal Technologies** - This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

NCCER basic shop safety certification is acquired.



**Principles of Architecture and Construction** - Principles of Architecture and Construction provide an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.

**Construction Technology** - 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.

**Construction Management** - In Construction Management, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects.

**Architectural Design** - 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.

**Interior Design** - Interior Design is a technical course that addresses the psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.



**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**

Prerequisite: Business Information Management I

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. Microsoft Office Specialist Certification is acquired by students.

**Principles of Business, Marketing, and Finance**

Prerequisite: Business Information Management I

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.



**Principles of Human Services** - This comprehensive laboratory course is designed to address a broad range of knowledge and skills related to personal development and management, family and community and preparation of adult roles. Influences of societal and technological changes, high demand human service careers and management of the nutritional needs and dietary practices are included. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extra-curricular organizations.

**Child Development** - 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.