**INTRODUCTORY COURSE FOR THIS PATHWAY**

**Principles of Arts, Audio/Video Technology and Communication**  
1 Credit

**General Requirements:** This course is recommended for students in Grades 9-12.  
**Prerequisite:** None

**Other requirements:** The Arts, Audio/Video Technology, and Communications Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. 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.

**Graphic Design and Illustration I**  
1 Credit

**General requirements.** This course is recommended for students in Grades 10-12.  
**Prerequisite:** Principles of Arts, Audio/Video Technology, and Communications.

**Other requirements:** Graphic Design & Illustration is a project-oriented class that assesses the creative side. The class will learn all aspects of graphic design through advertising and visual arts. It will include topics such as visual composition, design principles, history of visual arts, career opportunities and creating brochures, programs, posters, flyers and magazines. The students will use the computer’s set of tools, digital cameras and graphic tablets to create and edit graphic designs for a wide range of purposes including fine art, art for publications like advertising and journalism.

**Graphic Design & Illustration II**  
2 Credits

**General Requirements:** This course is recommended for students in Grades 10-12.  
**Prerequisite:** Principles of Arts A/V Tech & Communications, Graphic Design & Illustration I, Graphic Design & Illustration II and Teacher Approval

**Other requirements:** Graphic Design & Illustration II is a project-oriented class that assesses the creative side. The class will expand on what was learned in Graphic Design & Illustration I and II through more in depth, real world projects. The class will continue to develop all aspects of graphic design through advertising and visual arts. It will include topics such as visual composition, design principles, history of visual arts, career opportunities and creating brochures, programs, posters, flyers and magazines. The students will use the computer’s set of tools, digital cameras and graphic tablets to create and edit graphic designs for a wide range of purposes including fine art, art for publications like advertising and journalism. In addition, students will develop career skills such as project management and client relations as well as develop a career portfolio.

**Practicum in Graphic Design & Illustration**  
2 to 3 Credits

**General Requirements:** This course is recommended for students in Grades 11-12.  
**Prerequisite:** Principles of Arts A/V Tech & Communications, Graphic Design & Illustration I, Graphic Design & Illustration II and Teacher Approval

**Other requirements:** Practicum in Graphic Design & Illustration is a project-oriented class that assesses the creative side. The class will expand on what was learned in Graphic Design & Illustration I and II through more in depth, real world projects. The class will continue to develop all aspects of graphic design through advertising and visual arts. It will include topics such as visual composition, design principles, history of visual arts, career opportunities and creating brochures, programs, posters, flyers and magazines. The students will use the computer’s set of tools, digital cameras and graphic tablets to create and edit graphic designs for a wide range of purposes including fine art, art for publications like advertising and journalism. In addition, students will develop career skills such as project management and client relations as well as develop a career portfolio.

**Business Information Management**  
1 Credit

**General requirements.** This course is recommended for students in Grades 9-12.  
**Prerequisite:** None.

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.
**Professional Communications**  .5 Credit

**General requirements.** This course is recommended for students in Grades 9-12.  
**Prerequisite:** None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics and conduct internet research.

**Lifetime Nutrition and Wellness**  .5 Credit

**General requirements.** This course is recommended for students in Grades 10-12.  
**Prerequisite:** Principles of Hospitality and Tourism, or Principles of Health Science.

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.

**Career Preparation I and II**  3 Credits

**General requirements.** This course is recommended for students in Grades 11-12.  
**Prerequisite:** Junior status for Career Preparation I and Senior status for Career Preparation II

**Other Requirements:** Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit. Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences. 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, rigorous and supports student attainment of academic standards and effectively prepares students for college and career success. Students are **required** to work 10-15 hours each week. Students may **NOT** quit a job **without** teacher approval. Students whose employment is terminated or who quit with approval **must** secure employment within ten work days.
INTRODUCTORY COURSE FOR THIS PATHWAY

Principles of Health Science 1 Credit

General requirements. This course is recommended for students in Grades 9-12.

Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

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.

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.

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.

REQUIRED COURSES FOR THIS PATHWAY

Medical Terminology .5 Credit

General requirements: This course is recommended for students in Grades 10-12.

Prerequisite: Principles of Health Science

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

Lifetime Nutrition and Wellness .5 Credit

General requirements. This course is recommended for students in Grades 10-12.

Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

Health Science 2 Credits

General requirements: This course is recommended for students in Grades 11-12.

Prerequisites: Principles of Health Science and Biology.

Other requirement: Students need a solid purple scrub suit. TB test and flu shot are required.

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.

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.

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.

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.

Health Science: Introduction to Clinical Laboratory Science (Dual Credit) 2 Credits

General requirements:

This course is recommended for students in Grades 11-12.

Prerequisites: Principles of Health Science and Biology.

Other requirements: Students must meet admission requirements to Del Mar College prior to enrolling in this Course. This course receives college and high school credit.
Practicum in Health Science 2-3 Credits
General requirements: This course is recommended for students in Grades 12.
Prerequisites: Health Science and Biology.
Other requirements: Must be taken concurrently with Anatomy and Physiology. Students will be required to complete clinical rotations during this course and will have the option to take the Certified Nursing Assistant exam. There is a fee associated with the exam that is payable to the licensing board. **TB test and flu shot are required. Criminal background check and drug screen are required.**

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.

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.

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 1 Credit
General requirements: This course is only for students in Grade 12 and meets current graduation requirements for the fourth year of science.
Prerequisite: Three credits of science.
Other requirements: Must be taken concurrently with Practicum in Health Science.

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.

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 methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

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).

**OTHER CTE COURSES THAT CAN BE ADDED TO ANY PATHWAY**

Professional Communications .5 Credit
General requirements. This course is recommended for Students in Grades 9-12.
Prerequisite: None.
Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication.

Career Preparation I and II 3 Credits
General requirements. This course is recommended for students in Grades 11-12.
Prerequisite: Junior status for Career Preparation I and Senior status for Career Preparation II
Other Requirements: Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

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. Students are required to work 10-15 hours each week. Students may NOT quit a job without teacher approval. Students whose employment is terminated or who quit with approval must secure employment within ten work days.
INTRODUCTORY COURSE FOR THIS PATHWAY

**Principles of Hospitality and Tourism** 1 Credit

**General requirements:** This course is recommended for students in Grades 9-11.

**Prerequisite:** None.

The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multi-faceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

REQUIRED COURSES FOR THIS PATHWAY

**Introduction to Culinary Arts** 1 Credit

**General requirements:** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Hospitality and Tourism.

**Other requirements:** Introduction to Culinary Arts 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. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

**Hotel / Restaurant Management** 2 Credits

**General Requirements:** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Hospitality and Tourism

**Other requirements:** This course focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**Culinary Arts** 1-2 Credits

**General requirements:** This course is recommended for students in Grades 10-12.

**Prerequisites:** Restaurant Management and Principles of Hospitality and Tourism.

**Other requirements:** This course requires travel to Aransas County ISD (Rockport) on APISD bus. 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 activities.

**Practicum in Culinary Arts** 2-3 Credits

**General requirements:** This course is recommended for students in Grades 11-12.

**Prerequisite:** Culinary Arts and Restaurant Management.

**Other requirements:** This course requires travel to Aransas County ISD (Rockport) on APISD bus.

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.

Students are taught employability skills, which include job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Practicum in Culinary Arts is relevant and rigorous, supports student application of academic standards, and effectively prepares students for college and career success.

Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing.
Professional Communications                       .5 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Lifetime Nutrition and Wellness                       .5 Credit

**General requirements.** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

Career Preparation I and II                           3 Credits

**General requirements.** This course is recommended for students in Grades 11-12.

**Prerequisite:** Junior status for Career Preparation I and Senior status for Career Preparation II

**Other Requirements:** Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences. 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...
**INTRODUCTORY COURSE FOR THIS PATHWAY**

**Principles of Law, Public Safety, Corrections, and Security**  
1 Credit

**General requirements**: This course is recommended for students in Grades 9-12.  
**Prerequisites**: None.

Principles of Law, Public Safety, Corrections, and Security 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.

**REQUIRED COURSES FOR THIS PATHWAY**

**Law Enforcement I**  
1-2 Credits

**General requirements**: This course is recommended for students in Grades 10-12.  
**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. 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.

**Correctional Services**  
1-2 Credits

**General requirements**: This course is recommended for students in Grades 11-12.  
**Prerequisites**: Principles of Law, Public Safety, Corrections, and Security.

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.

**Court Systems and Practices**  
1-2 Credits

**General requirements**: This course is recommended for students in Grades 10-12.  
**Prerequisite**: Law Enforcement I.

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.

**Law Enforcement II**  
1-2 Credits

**General requirements**: This course is recommended for students in Grade 11-12.  
**Prerequisite**: Law Enforcement I.

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.

**Practicum in Law**  
2-3 Credits

**General requirements**: This course is recommended for students in Grades 11-12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law, Public Safety, Corrections, and Security cluster.  
**Prerequisite**: A minimum of three courses in the Law, Public Safety, Corrections and Security cluster. 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.

**OTHER CTE COURSES THAT CAN BE ADDED TO ANY PATHWAY**

**Business Information Management I & II**  
1 Credit

**General requirements**: This course is recommended for students in Grades 9-12.  
**Prerequisite**: None.

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.
**Professional Communications**  .5 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

**Lifetime Nutrition and Wellness**  .5 Credit

**General requirements.** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

**Career Preparation I and II**  3 Credits

**General requirements.** This course is recommended for students in Grades 11-12.

**Prerequisite:** Junior status for Career Preparation I and Senior status for Career Preparation II

**Other Requirements:** Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences. 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, rigorous and supports student attainment of academic standards and effectively prepares students for college and career success. Students are required to work 10-15 hours each week. Students may NOT quit a job without teacher approval. Students whose employment is terminated or who quit with approval must secure employment within ten work days.
INTRODUCTORY COURSE FOR THIS PATHWAY

**Principles of Manufacturing** 1 Credit

**General requirements:** This course is recommended for students in Grades 9-12.

**Recommended prerequisite:** Algebra I or Geometry.

In Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. In addition to general academic and technical knowledge and skills, students gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers.

REQUIRED COURSES FOR THIS PATHWAY

**Precision Metal Manufacturing** 1 Credit

**General requirements:** This course is recommended for students in Grades 10-12.

**Recommended prerequisites:** Principles of Manufacturing and completed or concurrently enrolled in Algebra I or Geometry.

Rapid advances in technology have created new career opportunities and demands in many industries. Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of 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. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success.

**Welding** 1-2 Credits

**General requirements:** This course is recommended for students in Grades 10-12.

**Recommended prerequisite:** Algebra I.

**Other requirements:** This course requires travel to Ingleside ISD on APISD bus.

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.

**Advanced Welding** 2-3 Credits

**General requirements:** This course is recommended for students in Grades 11-12.

**Recommended prerequisites:** Algebra I or Geometry and Welding.

**Other requirements:** This course requires travel to Ingleside ISD on APISD bus.

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.

**Dual Credit Welding** 2-3 Credits

See counselor for further details.

OTHER CTE COURSES THAT CAN BE ADDED TO ANY PATHWAY

**Business Information Management** 1 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

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.
**Professional Communications** .5 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

**Lifetime Nutrition and Wellness** .5 Credit

**General requirements.** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

**Career Preparation I and II** 3 Credits

**General requirements.** This course is recommended for students in Grades 11-12.

**Prerequisite:** Junior status for Career Preparation I and Senior status for Career Preparation II

**Other Requirements:** Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences. 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, rigorous and supports student attainment of academic standards and effectively prepares students for college and career success. Students are required to work 10-15 hours each week. Students may NOT quit a job without teacher approval. Students whose employment is terminated or who quit with approval must secure employment within ten work days.
INTRODUCTORY COURSE FOR THIS PATHWAY

Principles of Business, Marketing, and Finance

1 Credit

General requirements: This course is recommended for students in Grades 9-11.

Prerequisites: None.

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.

REQUIRED COURSES FOR THIS PATHWAY

Retailing and E-Tailing

1 Credit

General requirements: This course is recommended for students in Grades 9-12.

Prerequisite: Principles of Business, Marketing, and Finance.

Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios.

Entrepreneurship

.5 to 1 Credit

General requirement: This course is recommended for students in Grades 9-12.

Prerequisite: Principles of Business, Marketing, and Finance.

Other requirements: This course is currently offered in the Edgenuity Lab only.

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

Marketing Dynamics

2 to 3 Credits

General requirements: This course is recommended for students in Grades 11-12.

Prerequisite: Principles of Business, Marketing, and Finance.

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.

Practicum in Marketing Dynamics

2 to 3 Credits

General requirements: This course is recommended for students in Grade 12.

Prerequisite: Marketing Dynamics.

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.
OTHER CTE COURSES THAT CAN BE ADDED TO ANY PATHWAY

**Business Information Management** 1 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

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.

**Professional Communications** .5 Credit

**General requirements.** This course is recommended for students in Grades 9-12.

**Prerequisite:** None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

**Lifetime Nutrition and Wellness** .5 Credit

**General requirements.** This course is recommended for students in Grades 10-12.

**Prerequisite:** Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

**Career Preparation I and II** 3 Credits

**General requirements.** This course is recommended for students in Grades 11-12.

**Prerequisite:** Junior status for Career Preparation I and Senior status for Career Preparation II

**Other Requirements:** Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences. 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, rigorous and supports student attainment of academic standards and effectively prepares students for college and career success. Students are required to work 10-15 hours each week. Students may NOT quit a job without teacher approval. Students whose employment is terminated or who quit with approval must secure employment within ten work days.
INTRODUCTORY COURSE FOR THIS PATHWAY

Concepts of Engineering and Technology        1 Credit
General requirements: This course is recommended for students in Grades 9-10.
Prerequisites: None.

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.

REQUIRED COURSES FOR THIS PATHWAY

Engineering Design and Presentation           1-2 Credits
General requirements: This course is recommended for students in Grades 10-12.
Prerequisite: Concepts of Engineering and Technology.

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.

Advanced Engineering Design and Presentation
2-3 Credits
General requirements: This course is recommended for students in Grades 11-12.
Prerequisite: Engineering Design and Presentation.

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.

Engineering Design and Problem Solving
2-3 Credits
General requirements: This course is recommended for students in Grades 11-12.
Prerequisites: Geometry, Algebra II, Chemistry, and Physics.

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. This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems. Students use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions. At the same time, this course fosters awareness of the social and ethical implications of technological development.

OTHER CTE COURSES THAT CAN BE ADDED TO ANY PATHWAY

Business Information Management                    1 Credit
General requirements. This course is recommended for students in Grades 9-12.
Prerequisite: None.

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.
Professional Communications .5 Credit

General requirements. This course is recommended for students in Grades 9-12.
Prerequisite: None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Lifetime Nutrition and Wellness .5 Credit

General requirements. This course is recommended for students in Grades 10-12.
Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

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.

Career Preparation I and II 3 Credits

General requirements. This course is recommended for students in Grades 11-12.
Prerequisite: Junior status for Career Preparation I and Senior status for Career Preparation II
Other Requirements: Students must have a paid job with a non-family member and receive a legally documented paycheck with paycheck stub. Loss of employment in excess of 10 days will result in a schedule change and possible loss of credit.

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RESOURCES FOR HIGH SCHOOL AND BEYOND

Testing
www.collegeboard.com (SAT & PSAT-college entrance exam)
www.act.org (ACT-college entrance exam)
www.thea.texas.gov (THEA-college placement exam)
www.act.org/compass/sample (COMPASS-college placement exam)
http://library.ci.corpus-christi.tx.us (Online Practice Tests for ACT, SAT, THEA, GED, MCAT, ASVAB, civil service, EMS, Firefighter, Law Enforcement, Postal Services and others.)
www.kaplan.com (College entrance exam preparation-includes PSAT)
www.ets.org (Exam preparation-includes AP exams)
www.essayedge.com (Preparation for essay portion of college entrance exams)
www.testprepreview.com (ACT & SAT practice tests)

College Information
www.collegefortexans.com (All inclusive Website for college bound Texans)
www.applytexas.org (Texas Common Application-for Texas 4 yr. public universities)
www.ncaaclearinghouse.net (NCAA-College athletes must register with the NCAA after 11th grade year)
www.collegefortexans.com (All inclusive Website for college bound Texans; TOPCAT link for test prep)
http://www.collegeboard.com/student/index.html?student (College search, compare colleges, careers and majors)
www.oncinc.org (Online College Network-resume building; colleges will recruit from the resume you post, college admissions, financial aid and more)
www.collegenet.com (Search engine for the ideal college by region, college sports, major, tuition, etc.)
www.utexas.edu/world/uvn (Links to college home pages)
www.collegeview.com (College search website-includes Christian colleges)

Careers
http://www.bls.gov/oco (Occupational Outlook Handbook-education or training needed for careers, estimated earnings, job prospects, working conditions)
http://www.collegeboard.com/quickstart (Career planning, explore colleges and majors, resume building)
http://www.texashotjobs.org (Link for Health Science and Career Planning)
www.twc.state.tx.us (Texas Workforce Commission-career development resource)
www.etcbeb.org (Craft Training Center of the Coastal Bend-Apprenticeships)

Other Resources
www.loc.gov (Library of Congress)
www.state.tx.us (State of Texas)
www.dars.state.tx.us (Department of Assistive and Rehabilitative Services)
If you are interested in locating additional web sites, COLLEGE.EDU by Octameron is an entire book of college information web sites.

Financial Aid
www.fafsa.ed.gov (Free Application for Federal Student Aid)
www.ed.gov (U.S. Dept. of Education website for parents and students)
www.act.org/fann (financial aid need estimator)
www.thech.state.tx.us/grantinfo.cfm (Grant information)
www.fastweb.com (scholarships, jobs, internships, college information)
www.cbcfoundation.org (Coastal Bend Community Foundation-scholarships)
www.ed.gov/finaid.html (Grants, loans, federal student aid)
www.finaid.org (Financial aid-includes military aid)
www.irs.ustreas.gov (Hope Scholarship & Lifetime Learning Credit information)
www.salliemae.com (Leading provider of student loans)
www.irs.gov (Tax incentives for higher education)
www.CollegeForTexans.com

This website contains everything a Texan needs to know about preparing for, applying for, and paying for college or technical school.

Links also included:

- Getting through college
- Career Planning
- Military in Texas
- FAFSA (Free Application for Federal Student Aid)
- TEXAS Grant
- Residency Information
- Adult Education
- Forms and Applications
- TOPCAT — free test prep

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PUBLIC NOTICES

It is the policy of Aransas Pass Independent School District not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendment of 1972; the Age Discrimination Act of 1975, as amended, and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Aransas Pass Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendment of 1972; the Age Discrimination Act of 1975, as amended, and Section 504 of the Rehabilitation Act of 1973, as amended.

Aransas Pass Independent School District will take steps to assure that Limited English Language skills will not be a barrier to admission and participation in all educational and career and technology education programs.

For information about your rights or grievance procedures, contact Ms. Denise Graves, the Title IX Coordinator, The Section 504 Coordinator & ESL, and for information concerning Career Technology Education at 2300 McMullen Lane, (361) 758-4200. Should you need translated information, large print, explanation or other forms of assistance, please call (361) 758-4200, Ms. Denise Graves.

SI USTED NECESITA INFORMATION TRADUCIDO, UNA EXPLICACION, LETRA GRANDE O CUALQUIER OTRA FORMA DE AYUDA, LLAME A (361) 758-4200, Ms. Denise Harris.

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RESOURCES FOR HIGH SCHOOL AND BEYOND

Be sure to check the Counselor Corner on the Aransas Pass HS website for more valuable information at http://aphs.apisd.org/main_menu/counselor_s_corner

**Testing**

- www.collegeboard.com (SAT & PSAT-college entrance exam)
- www.act.org (ACT-college entrance exam)
- www.thea.nesinc.com (THEA-college placement exam)
- www.act.org/compass/sample (COMPASS-college placement exam)
- http://library.ci.corpus-christi.tx.us (Online Practice Tests for ACT, SAT, THEA, GED, MCAT, ASVAB, civil service, EMS, Firefighter, Law Enforcement, Postal Services and others.)
- www.kaplan.com (College entrance exam preparation-includes PSAT)
- www.ets.org (Exam preparation-includes AP exams)
- www.essayedge.com (Preparation for essay portion of college entrance exams)
- www.testprepreview.com (ACT & SAT practice tests)

**College Information**

- www.collegefortexans.com (All inclusive Website for college bound Texans)
- www.applytexas.org (Texas Common Application-for Texas 4 yr. public universities)
- www.ncaacellularinghouse.net (NCAA-College athletes must register with the NCAA after 11th grade year)
- www.collegefortexans.com (All inclusive Website for college bound Texans; TOPCAT link for test prep)
- www.ocnine.org (Online College Network-resume building; colleges will recruit from the resume you post, college admissions, financial aid and more)
- www.collegenet.com (Search engine for the ideal college by region, college sports, major, tuition, etc.)
- www.utexas.edu/world/uvn (Links to college home pages)
- www.collegeview.com (College search website-includes Christian colleges)

**Careers**

- http://www.collegeboard.com/quickstart (Career planning, explore colleges and majors, resume building)
- http://www.texashotjobs.org (Link for Health Science and Career Planning)
- www.twc.state.tx.us (Texas Workforce Commission-career development resource)
- www.ctccb.org (Craft Training Center of the Coastal Bend-Apprenticeships)

**Other Resources**

- www.loc.gov (Library of Congress)
- www.state.tx.us (State of Texas)
- www.dars.state.tx.us (Department of Assistive and Rehabilitative Services)

If you are interested in locating additional web sites, COLLEGE.EDU by Octameron is an entire book of college information web sites.

**Financial Aid**

- www.fafsa.ed.gov (Free Application for Federal Student Aid)
- www.ed.gov (U.S. Dept. of Education website for parents and students)
- www.act.org/fane (financial aid need estimator)
- www.theacb.state.tx.us/grantinfo.cfm (Grant information)
- www.fastweb.com (scholarships, jobs, internships, college information)
- www.cbcfoundation.org (Coastal Bend Community Foundation-scholarships)
- www.ed.gov/finaid.html (Grants, loans, federal student aid)
- www.finaid.org (Financial aid-includes military aid)
- www.irs.ustres.gov (Hope Scholarship & Lifetime Learning Credit information)
The Texas Virtual School Network (TxVSN) provides Texas students and schools with equitable access to quality online courses and instructors. It is a valuable resource for interactive, collaborative, instructor-led online courses taught by state-certified and appropriately credentialed teachers trained in effective online instruction.

TEA under the leadership of the commissioner of education, administers the TxVSN, sets standards for and approves TxVSN courses and professional development for online teachers, and has fiscal responsibility for the network. Education Service Center (ESC) Region 10 oversees the day-to-day operations of the TxVSN network. The TxVSN is made up of two components—the TxVSN statewide catalog of supplemental high school courses and the full-time TxVSN online schools program.

The TxVSN statewide course catalog provides supplemental online courses for high school graduation to public school age students. The catalog offers students across the state opportunities to enroll in high school, Advanced Placement, and dual-credit courses offered through the network by approved providers. The TxVSN catalog works in partnership with public schools to meet the needs of students. To view available courses, visit the TxVSN online course catalog. To learn more, visit the TxVSN website.

All courses offered through the TxVSN must meet the state curriculum requirements, known as the Texas Essential Knowledge and Skills or TEKS, and the International Association for K-12 Online Learning (iNACOL) National Standards of Quality for Online Courses (outside source). Courses are also reviewed for alignment with accessibility standards (PDF, 232.02 KB). TxVSN courses are taught by teachers who are Texas-certified in the content area and grade level of the course or meet the credentialing requirements of the associated institution of higher education. They are also trained in best practices for delivering online instruction. Students do not need to be physically present at school during instruction of TxVSN courses.

To learn more about TxVSN, visit their website at www.txvsn.org
www.CollegeForTexans.com

This website contains everything a Texan needs to know about preparing for, applying for, and paying for college or technical school.

Links also included:

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