

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject	Assessments
6th	Advanced Math 6	STAAR Gr7
7th	Advanced Math 7	STAAR Gr8
8th	Pre-AP Algebra 1	Alg. I EOC
9th	Pre-AP Geometry	PSAT
10th	Pre-AP Algebra II	PSAT
11th	Pre-AP Precalculus Dual Enrollment Mathematics	PSAT/TSI/SAT/ACT
12th	AP Statistics AP Calculus AB AP Calculus BC Dual Enrollment Mathematics CTE Math Courses	PSAT/TSI/SAT/ACT AP Course Exam

**Pre-AP courses are strongly recommended but are not a prerequisite for Advanced Placement/Dual Enrollment Courses*

Course Descriptions

Course	Mathematics
Course Information	6 th Grade Math 7 th Grade Math 8 th Grade Math
Description	Throughout mathematics in grades six through eight students, build a foundation of basic understanding in numerical representations and probability, computations and algebraic relationships, geometry and measurement, data analysis and personal financial literacy.
Prerequisites	None

Course	Advanced Math
Course Information	6 th Grade Advanced Math
Description	All sixth-grade TEKS are taught, in addition to selected seventh-grade TEKS as appropriate for extensions and identified in the curriculum. Students enrolled in this course will take the seventh-grade STAAR.
Prerequisites	None

Course	Advanced Mathematics
Course Information	7 th Grade Advanced Math

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

Description	All eighth grade TEKS are taught, in addition to the seventh grade TEKS not covered in the sixth-grade advanced course. Students enrolled in this course will take the eighth-grade STAAR.
Prerequisites	Recommended: Advanced Math 6

Course	Advanced Math
Course Information	Algebra I (Pre-AP) 1.0 Mathematics Credit Grade 8
Description	Some eighth-grade students may choose to take Algebra I, which is a high school credit course. Only students who have mastered the material taught in mathematics in grades six through eight or demonstrated mastery in equivalent prerequisite skills needed for Algebra I should take this course. Students who complete any high school mathematics courses in middle school may use the credit earned to satisfy the requirement of four units of mathematics in grades nine through 12. Grades earned in high school courses taken in middle school are included in the high school GPA.
Prerequisites	Math 8th

Science

Traditional Course Sequence and Testing Guide

Grade	Subject	Assessments
6th	Science 6	n/a
7th	Science 7	n/a
8th	Science 8	STAAR Gr8
9th	Biology	Biology EOC
10th	Chemistry	PSAT
11th	Physics	PSAT/SAT/ACT
12th	Earth and Space Science Astronomy Aquatic Science Environmental Systems CTE Science Course	PSAT/SAT/ACT

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject	Assessments
6th	Pre-AP Science 6	n/a
7th	Pre-AP Science 7	n/a

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

ENGINEERING MATHEMATICS QS1230 (CTE COURSE)

CREDIT (1) PREREQUISITE: Algebra II

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, material engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

ACCOUNTING II (CTE COURSE)

CREDIT (1) REQUIRED PREREQUISITE: ACCOUNTING I

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.

MATH MEDICAL PROFESSIONS (CTE COURSE)

CREDIT (1) PREREQUISITE: Algebra II and recommended only for Grade 11 and 12

The Mathematics for Medical Professionals course is designed to serve as the driving force behind the Texas essential knowledge and skills for mathematics, guided by the college and career readiness standards. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions.

STATISTICS BUSINESS DECISION MAKING (CTE COURSE)

CREDIT (1) PREREQUISITE: Algebra II and recommended only for Grade 11 and 12

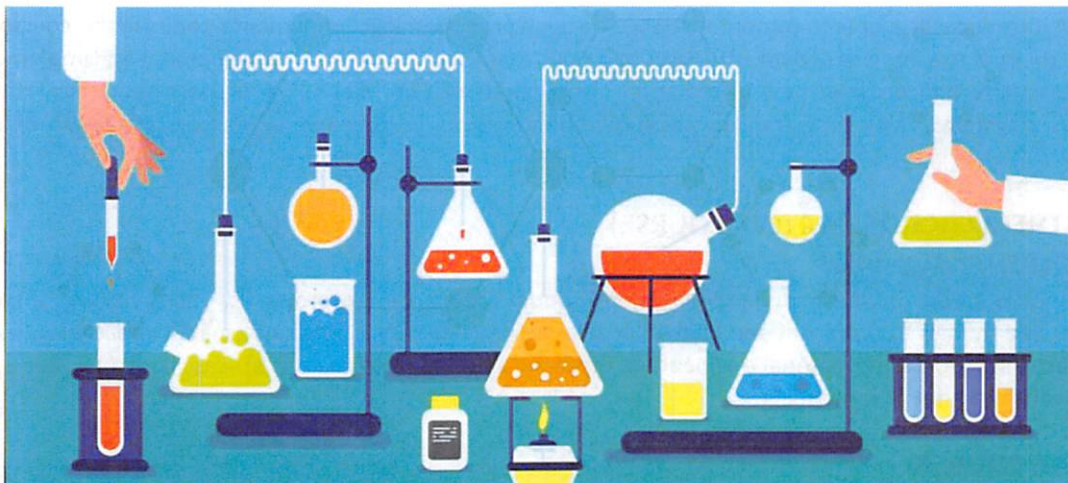
Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

MANUFACTURING ENGINEERING TECHNOLOGY II (CTE COURSE)

CREDIT (1) REQUIRED PREREQUISITE: MFG Technology I for only Grade 11 and 12. RECOMMENDED PREREQUISITE: Algebra II, Computer Science I, or Physics

Manufacturing Engineering Technology II is a course where students will 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. The study of Manufacturing Engineering Technology II will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. *DUAL

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.



Science

The following courses either meet a core graduation requirement or an elective requirement. Please see your counselor for details.

WESLACO ISD				
Course No.		Subject	Grade	Credits
03020000	SI2030	ENVIRONMENTAL SYSTEMS	10 th -12 th	1
A3020000	SI2090	ENVIRONMENTAL SYSTEMS AP	10 th -12 th	1
03060201	SP1130	INTEGRATED PHYSICS AND CHEMISTRY	9 th -12 th	1
03210200	SB1030	BIOLOGY	9 th -12 th	1
A3010200	SB0290	AP BIOLOGY	10 th -12 th	1
03040000	SC0130	CHEMISTRY	10 th -12 th	1
A3040000	SC0290	AP CHEMISTRY	10 th -12 th	1
03050000	SY0130	PHYSICS	10 th -12 th	1
03050003	SY2190	AP PHYSICS I ALGEBRA BASED	10 th -12 th	1
03050004	SY2290	AP PHYSICS II ALGEBRA BASED	10 th -12 th	1
03060100	SI1530	ASTRONOMY	10 th -12 th	1
03030000	SI1030	AQUATIC SCIENCE	10 th -12 th	1
03060200	SIROUD	ON RAMPED GEO SCIENCE	10 th -12 th	1
13020600	QH1130	ANATOMY AND PHYSIOLOGY	10 th -12 th	1

ENVIRONMENTAL SYSTEMS SI2030

CREDIT (1) RECOMMENDED PREREQUISITE: ONE UNIT OF HIGH SCHOOL LIKE SCIENCE, 1 UNIT OF PHYSICAL SCIENCE

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats; ecosystems and biomes; interrelationship among resources and an environmental system; sources and flow of energy through environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environment. *AP

AP ENVIRONMENTAL SYSTEMS SI2090

CREDIT (1) RECOMMENDED PREREQUISITE: ALGEBRA I, TWO YEARS OF A HIGH SCHOOL LABORATORY SCIENCE INCLUDING ONE YEAR OF LIFE SCIENCE AND ONE YEAR OF PHYSICAL SCIENCE

AP Environmental Science is the equivalent to a college environmental science course. The course covers Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. Focuses on advanced inquiry-based laboratory investigations to apply scientific principles, concepts, and methodologies to better understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

INTEGRATED PHYSICS & CHEMISTRY SP1130

CREDIT (1) PREREQUISITE: None

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.

BIOLOGY SB0130

CREDIT (1) PREREQUISITE: None

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. * Pre-AP

AP BIOLOGY SB0290

CREDIT (1) RECOMMENDED PREREQUISITE: Biology Pre-AP AND CHEMISTRY

AP Biology is the study of general biological principles as well as of the more specialized biological sciences. Cytology, developmental biology, genetics, ecology, taxonomy, and various aspects adaptation are integrated within the course. Relationships and applications of concepts within and among various sciences are explored. Laboratory investigations emphasize accurate observations, collection of data, data analysis and the safe manipulation of laboratory apparatus and materials. Students will complete science fair projects. The course is designed to prepare the student to take the Advanced Placement Biology Exam in May. * AP, DUAL

CHEMISTRY SC0130

CREDIT (1) PREREQUISITE: Biology, Algebra I

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. * Pre-AP

AP CHEMISTRY SC0290

CREDIT (1) RECOMMENDED PREREQUISITE: Pre-AP Chem./Algebra II

AP Chemistry is an in-depth study of chemical concepts and principles encountered in Chemistry I along with specialized areas of chemistry such as organic chemistry, quantitative and qualitative analysis, and nuclear chemistry. Extensive laboratory investigations emphasize accurate observations, collection of data, data analysis, and the operational definition of the concepts and principles of traditional chemistry. Students will complete science fair project. A strong math background is required. This course is designed to prepare the student to take the Advanced Placement Chemistry Exam in May. * AP, DUAL, OnRAMPS

PHYSICS SY0130

CREDIT (1) RECOMMENDED PREREQUISITE: ALGEBRA I, Bio/Chem./Algebra 1 & 2

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

In Physics, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills. * **Pre-AP, OnRamps Physics I**

PHYSICS I AP ALGEBRA BASED SY2190

CREDIT (1) RECOMMENDED PREREQUISITE: ALGEBRA I, GEOMETRY, PHYSICS, ALGEBRA II

AP Physics I: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines.

PHYSICS II AP ALGEBRA BASED SY2290

CREDIT (1) RECOMMENDED PREREQUISITE: ALGEBRA I, GEOMETRY, PHYSICS, and ALGEBRA II

AP Physics II: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines

ASTRONOMY SI1530

CREDIT (1) PREREQUISITE: one other science

In Astronomy, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: information about the universe; scientific theories of the evolution of the universe; characteristics and the life cycle of stars; exploration of the universe; role of the Sun in our solar system; planets; and the orientation and placement of the Earth.

AQUATIC SCIENCE SI1030

CREDIT (1) REQUIRED PREREQUISITE: BIOLOGY RECOMMENDED PREREQUISITE: CHEMISTRY

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

EARTH AND SPACE SCIENCE: OnRamps GeoSci SI3030

CREDIT (1) PREREQUISITE: Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently.

Earth and Space Science (ESS). ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time through strands of systems, energy, and relevance. Units of study include Earth & Space in time as they relate to cosmology, theories of the origin, evolution, and structures of the universe and the development of the Earth and Moon System, including geologic, atmospheric and chemical evidence and analysis. Students will apply scientific and mathematical investigations in understanding course concepts. Texas law requires at least 40 percent lab and field investigations.

ANATOMY AND PHYSIOLOGY QH1130

CREDIT (1) REQUIRED PREREQUISITE: Biology and a second science credit.

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decision 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. Texas law requires at least 40 percent lab and field investigations.



Technology Applications

WESLACO ISD				
Course No.		Subject	Grade	Credits
03580200	QW0630	COMPUTER SCIENCE I	9-12	1
A3580300	QW0790	AP COMPUTER SCIENCE PRINCIPLES	10-12	1
03580300	MS0230	COMPUTER SCIENCE II	9-12	1
03580500	ND1030	DIGITAL ART AND ANIMATION	9-12	1
03580820	NW1030	WEB DESIGN	9-12	1
13011400	QB6030	BUSINESS INFORMATION MANAGEMENT	9-12	1
13011500	QB1530	BUSINESS INFORMATION MANAGEMENT II	9-12	1
13027800	QW4930	DIGITAL INTERACTIVE MEDIA	9-12	1
13012100	QB1630	BUSINESS MANAGEMENT	9-12	1
13027400	QT2630	TELECOMMUNICATIONS NETWORKING	9-12	1
13027200	QT4630	PRINCIPLES OF INFORMATION TECHNOLOGY	9-12	1

COMPUTER SCIENCE I QW0630

Credit 1 Prerequisite: Enrolled or taking Algebra 1

Computer Science provides students with an opportunity to study foundational technology applications. Students will practice the use of technology-related concepts and terms as well as data input strategies such as exploration of LAN and WAN networks, search terminology, and basic coding to make informed decisions about technologies and their applications. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in a variety of formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies. **Pre-AP**

AP COMPUTER SCIENCE PRINCIPLES WQ0790

Credit 1 Prerequisite: Algebra 1

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

AP Computer Science Principles is designed to attract a greater diversity of students to the field, focusing on creative problem-solving, computational practices, programming, the internet and real-world applications to better prepare them for college and career. Students will collaborate to build creative applications such as mobile apps, digital music files and animations. This course is designed to support students' interest in a variety of careers fields such as graphic design, medicine, political science, engineering and other STEAM fields. Students do not need previous computer science experience to take this course.

COMPUTER SCIENCE II MS0291

Credit 1 Prerequisite: Algebra 2 and AP Computer Science A

In Computer Science II students will continue their study of technological applications. Students will extend best practices regarding the use of technology-related concepts and terms as well as data input strategies such as exploration of deeper algorithmic applications (e.g., greedy algorithms) and artificial intelligence/robotics. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in various formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.

DIGITAL ART AND ANIMATION

CREDIT 1 REQUIRED PREREQUISITE: PROFICIENCY IN THE KNOWLEDGE AND SKILLS RELATING TO TECHNOLOGY APPLICATIONS, GRADES 6TH-8TH. RECOMMENDED ART LEVEL I

Digital Art and Animation fosters student learning in the use of computer images and animations created with digital imaging software. Students in this course produce various real-world projects and animations. Through this foundation, student learning can be applied in many careers, with topics such as graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing. This course satisfies the high school fine arts graduation requirement.

WEB DESIGN NW1030

CREDIT (1) PREREQUISITE: None

Web Design provides students with the opportunity to use digital media and environments to analyze and implement the proper and acceptable use of digital/virtual communications technologies; identify and discuss emerging technologies and their impact; and understand Internet history and structure. Students investigate how these areas impact current use as well as acquire, evaluate, and use various web standards as World Wide Web. Make informed decisions and implement standards in original work. Students also summarize the technical needs of a World Wide Web server; develop proficiency in the use of a variety of electronic input devices by incorporating such components while publishing web pages as well as learn basic design principles when creating a website.

BUSINESS INFORMATION MANAGEMENT SYSTEMS QB6030

CREDIT (1) RECOMMENDED PREREQUISITE: TOUCH DATA ENTRY OR DIGITAL APPLICATION SKILLS ASSESSMENT

In Business Information Management I, students put into use the ability to get along well with others, to strengthen individual performance at work and in the world, and to make successful changes in the workplace and in further education. Students apply abilities to do particular job-related tasks well, to address new business computer programs and technologies, to create word-processing documents, to create and edit spreadsheets, to create and edit databases, and to make electronic presentations using appropriate software.

BUSINESS INFORMATION MANAGEMENT SYSTEMS II QB1530

CREDIT (1) PREREQUISITE: BUSINESS INFORMATION MANAGEMENT I

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.

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

DIGITAL INTERACTIVE MEDIA QW4930

CREDIT (1) PREREQUISITE: TOUCH SYSTEMS DATA ENTRY

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

BUSINESS MANAGEMENT SYSTEMS QB1630

CREDIT (1) PREREQUISITE: None

In Business Information Management I, students put into use the ability to get along well with others, to strengthen individual performance at work and in the world, and to make successful changes in the workplace and in further education. Students apply abilities to do particular job-related tasks well), to address new business computer programs, and new technologies, to create word-processing documents, to create and edit spreadsheets, to create and edit databases, and to make electronic presentations using appropriate software.

TELECOMMUNICATIONS NETWORKING QT2630

CREDIT (1) PREREQUISITE: None

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices 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.

PRINCIPLES OF INFORMATION TECHNOLOGY QT4630

CREDIT (1) PREREQUISITE: TOUCH SYSTEMS DATA ENTRY

In Principles of Information Technology, students will develop computer abilities and skills to use existing and new technologies found in schools, and in the worldwide workplace. Students will learn to use skills to get along well with others, and to prepare for changes in workplace conditions. Students will improve reading, writing, math/calculating, communication, and thinking skills and apply them to better use computers and information technology in school, and in the workplace.

VIDEO TECHNOLOGY VV1030 03580700

CREDIT (1) PREREQUISITE: None

Through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students learn to make informed decisions about technologies and their applications. Students learn to create television programs, live and animated. Students communicate information in different formats and to diverse audiences. A variety of technologies will be used. Students will analyze and evaluate the results. Satisfies the technology applications graduation requirement

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.



FINE ARTS

WESLACO ISD				
Course No.		Subject	Grade	Credits
03150100/PES00012	AB0130	MUSIC BAND I MARCHING/CONCERT	9 th	1
03150200	AB0230	MUSIC BAND II MARCHING/CONCERT	10 TH	1
03150300	AB0330	MUSIC BAND III MARCHING/CONCERT	11 TH	1
03150100	AB0430	MUSIC BAND IV MARCHING/CONCERT	12 TH	1
03150100/PES00012	AB0170	MUSIC I ADVANCED MARCHING/CONCERT BAND CP	9 th	1
03150200	AB0270	MUSIC II ADVANCED MARCHING/CONCERT BAND CP	10 TH	1
03150300	AB0370	MUSIC III ADVANCED MARCHING/CONCERT BAND CP	11 TH	1
03150100	AB0870	MUSIC IV ADVANCED MARCHING/CONCERT BAND CP	12 TH	1
03150500	AE0130	MUSIC I STRING ORCHESTRA	9 th	1
03150600	AE0230	MUSIC II STRING ORCHESTRA	10 TH	1
03150700	AE0330	MUSIC III STRING ORCHESTRA	11 TH	1
03150800	AE0430	MUSIC IV STRING ORCHESTRA	12 TH	1
03150900	AC0130	MUSIC I CHOIR	9 th	1
03151000	AC0230	MUSIC II CHOIR	10 TH	1
03151100	AC0330	MUSIC III CHOIR	11 TH	1
03151200	AC0430	MUSIC IV CHOIR	12 TH	1
03153800	AO1530	MUSIC I MARIACHI	9 th	1
03153900	AO1630	MUSIC II MARIACHI	10 TH	1
03154000	AO1730	MUSIC III, MARIACHI	11 TH	1
03154100	AO1830	MUSIC IV MARIACHI	12 TH	1
03830100	AD0130	DANCE I BEGINNER	9 th	1
03830200	AD0230	DANCE II BEGINNER	10 TH	1
03830300	AD0330	DANCE III BEGINNER	11 TH	1
03830400	AD0430	DANCE IV BEGINNER	12 TH	1
03830100	AD0130	DANCE I ADVANCED	9 th	1
03830200	AD0230	DANCE II ADVANCED	10 TH	1
03830300	AD0330	DANCE III ADVANCED	11 TH	1
03830400	AD0430	DANCE IV ADVANCED	12 TH	1
PES00014	PP1035	COLOR GUARD I MARCHING BAND 1 ST SEMESTER	9 th	1
PES00015	PP1135	COLOR GUARD II MARCHING BAND 1 ST SEMESTER	10 TH	1
PES00016	PP1235	COLOR GUARD III MARCHING BAND 1 ST SEMESTER	11 TH	1
PES00017	PP1335	COLOR GUARD IV-MARCHING BAND 1 ST SEMESTER	12 TH	1
03830100	AD0136	COLOR GUARD I WINTER BAND 2 ND SEMESTER	9 th	1
03830200	AD0216	COLOR GUARD II WINTER BAND 2 ND SEMESTER	10 TH	1
03830300	AD0336	COLOR GUARD III WINTER BAND 2 ND SEMESTER	11 TH	1
03830400	AD0436	COLOR GUARD IV WINTER BAND 2 ND SEMESTER	12 TH	1
03830100	ADP131	DANCE I DRILL TEAM	9 th	1
03830200	ADP231	DANCE II DRILL TEAM	10 TH	1
03830300	ADP331	DANCE III DRILL TEAM	11 TH	1
03830400	ADP431	DANCE IV DRILL TEAM	12 TH	1
A3150200	AM1190	AP MUSIC HISTORY	10 TH -12 TH	1
A3500100	AR5090	AP ART HISTORY	10 TH -12 TH	1
A35500400	AR3090	AP ART STUDIO	10 TH -12 TH	1
03500100	AR0130	ART I	9 th	1
03500200	AR0230	ART II	10 TH	1
03500300	AR0330	ART III	11 TH	1
03500400	AR0430	ART IV	12 TH	1

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

03250100	AH0131/2	THEATRE ARTS I	9 th	1
03250200	AH0231/2	THEATRE ARTS II	10 th	1
03250300	AH0331/2	THEATRE ARTS III	11 th	1
03250400	AH0431/2	THEATRE ARTS IV	12 th	1
03250700	AP0130	THEATRE PRODUCTION I	9 th	1
03250800	AP0230	THEATRE PRODUCTION II	10 th	1
03250900	AP0330	THEATRE PRODUCTION III	11 th	1
03251000	AP0430	THEATRE PRODUCTION IV	12 th	1
03250500	AT0130	TECHNICAL THEATRE I	9 th	1
03250600	AT0230	TECHNICAL THEATRE II	10 th	1
03250700	AT0330	TECHNICAL THEATRE III	11 th	1
03250800	AT0430	TECHNICAL THEATRE IV	12 th	1

MUSIC BAND I, II, III, IV – MARCHING/CONCERT BAND

CREDIT (1.0) each year PREREQUISITE: DIRECTOR APPROVAL

MARCHING BAND-Students will learn marching fundamentals, drill execution, marching performance techniques, instrument pedagogy, music performance techniques, and other elements of the marching band. All band students are required to participate in the marching band. Open to all students with director approval. Band is a full year course. Students may receive PE / fine arts credit for this course. Out-of-school rehearsals and performances are required.

CONCERT BAND-Students will learn music fundamentals, instrument pedagogy, music performance techniques, ensemble performance, and standard wind band literature. This ensemble performs high school level literature and studies basic methods of wind band performance. All band students are required to participate in one of the concert bands. Open to all students with director approval. An audition is required for appropriate placement. Band is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required. *CP

MUSIC BAND I, II, III, IV – ADVANCED CONCERT/MARCHING BAND – (CP)

CREDIT (.05) each year PREREQUISITE: DIRECTOR APPROVAL

Students will learn music fundamentals, instrument pedagogy, music performance techniques, ensemble performance, and standard wind band literature. This ensemble performs collegiate level literature and studies advanced methods of wind band performance. All band students are required to participate in the concert band class. Open to all students with director approval. An audition is required for appropriate placement. Band is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

MUSIC I, II, III, IV – STRING ORCHESTRA

CREDIT (1) each year PREREQUISITE: DIRECTOR APPROVAL

Students will learn music fundamentals, instrument pedagogy, music performance techniques, ensemble performance, and standard orchestral literature. This ensemble performs high school level literature and studies basic methods of orchestral performance. All string students are required to participate in the string orchestra. Open to all students with director approval. An audition is required for appropriate placement. Orchestra is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

MUSIC I, II, III, IV – CHOIR

CREDIT (1) each year PREREQUISITE: DIRECTOR APPROVAL

Students will learn the fundamentals of choral ensemble performance. (mixed or like voices: soprano, alto, tenor and bass). This course involves the study and performance of choral literature from early time periods to the present. Proper vocal and ensemble techniques are also taught. Open to all students with director approval. An audition is required for appropriate placement. Choir is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

MUSIC I, II, III, IV – MARIACHI

CREDIT (1) each year PREREQUISITE: DIRECTOR APPROVAL

Students will learn mariachi music through instrumental and vocal performance. This course involves the study of various traditional musical styles from the different regions in Mexico. All students enrolled in this course will play guitar and sing. Open

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

to all students with director approval. Mariachi is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

DANCE I, II, III, IV - BEGINNER

CREDIT (1) each year PREREQUISITE: NONE

Students will learn the basic elements of dance. Students will be introduced to various styles and genres of dance including ballet, jazz, tap, modern, and cultural. Open to all students. Dance is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

DANCE I, II, III, IV - ADVANCED

CREDIT (1) each year PREREQUISITE: TEACHER APPROVAL

Students will focus on the advanced elements of dance. They continue learning and perfecting the genres of dance including ballet, jazz, tap, modern, and cultural. Open to all students with teacher approval. Dance is a full year course. Students receive a fine arts credit for this course. Out-of-school rehearsals and performances are required.

COLOR GUARD I, II, III, IV – MARCHING BAND – 1st SEMESTER

CREDIT (.05) each year PREREQUISITE: AUDITION / DIRECTOR APPROVAL

Students will learn color guard fundamentals in a marching band setting. They learn marching fundamentals, drill execution, marching performance techniques and color guard fundamentals. This includes all choreography, flag work, rifles / sabre techniques and other props. Open to all students through audition and director approval. Color guard is not a full year course, however, it is recommended that students take the winter guard course second semester. Students may receive a PE credit for this course. Out-of-school rehearsals and performances are required.

COLOR GUARD I, II, III, IV – WINTER GUARD – 2nd SEMESTER

CREDIT (.05) each year PREREQUISITE: AUDITION / DIRECTOR APPROVAL

Students will learn color guard fundamentals in a winter guard setting. They learn dance choreography, flag work, rifles / sabre techniques and other props. Staging area is a gym floor. Open to all students through audition and director approval. Winter guard is not a full year course; however, it is recommended that students take the color guard course first semester. Students may receive a PE / fine arts credit for this course. Out-of-school rehearsals and performances are required.

DANCE I, II, III, IV – DRILL TEAM

CREDIT (.05) each year PREREQUISITE: AUDITION / DIRECTOR APPROVAL

Students will learn drill team dance fundamentals. They will learn various dance styles including; jazz, kick, pom, prop, military, lyrical and novelty-character. They will learn performance etiquette, showmanship and stage presence. Open to all students through audition and director approval. Drill team is not a full year course; however, it is recommended that students take both 1st & 2nd semester courses. Students may receive a PE / dance credit for this course. Out-of-school rehearsals and performances are required.

MUSIC THEORY

CREDIT (1) each year PREREQUISITE: Approval

Final preparation for students interested in pursuing a career in music class - AP concurrent Enrollment.

ART I AR0130 03500100

CREDIT (1) PREREQUISITE: None

An introduction to art basics such as perspective, color, and drawing of still life, landscapes and the human body. Art history and the development of various art styles are studied as well. This course is a pre-requisite to all other art courses, and satisfies the fine arts requirement for graduation.

ART II, III, IV

CREDIT (1) each year PREREQUISITE: Art I

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

Students continue the depth and complexity of the study of art and its applications into various media. The current courses in Art II, III, and IV focus primarily on a continuation of drawing, but may instead specialize in other areas such as ceramics, sculpture, painting, and printmaking.

AP ART (HISTORY OR PORTFOLIO)

CREDIT (1) PREREQUISITE: Art I-III recommended

May be taken as AP History of Art, AP Art with a concentration in drawing, AP Art with a two-dimensional design portfolio, or AP Art with a three-dimensional design portfolio. The student will take an Advanced Placement Exam in May or submit the appropriate portfolio as required by the College Board and may receive college credit hours depending on the results of the score on the AP Exam/Portfolio. *AP

THEATRE ARTS I, II, III, IV

CREDIT (1) each year PREREQUISITE: preceding levels

Activities and instruction include the history of theatre, dramatic criticism, acting techniques, and practical experiences in theatre. Students have the opportunity to participate in such activities as pantomime, acting, set design, set construction, costume design, costume construction, make-up, play analysis, improvisation, oral interpretation, voice and diction, and theatre management. Students are encouraged to perform.

THEATRE PRODUCTION

I, II, III, IV

CREDIT (1) each year PREREQUISITE: Theatre Arts I

Theatre Production is a co-curricular laboratory for elements of theatre. The course supplements other theatre arts and technical theatre courses that concentrate on theories, information, and techniques, by providing for the integration and implementation of those ideas and skills. Practical experiences in acting and stagecraft are provided through public performance. Available as regular or competitive courses. After school practices may be required.

TECHNICAL THEATRE AT0130 - AT0430

I, II, III, IV

CREDIT (1) each year PREREQUISITE: Theatre Arts I

These classes are uniquely involved with the theatre arts program through such technical aspects as stage lighting, stage carpentry, set design, planning and building costumes, and make-up design and implementation. Involves application of skills during scheduled performances.

NOTE: Occasionally changes occur in curriculum. We will communicate any changes that are required by the State Education (SBOE). We will notify you if you have entered your first year in high school.



Education (SBOE). We will notify you if you have entered your first year in high school.

LANGUAGES OTHER THAN ENGLISH

WESLACO ISD				
Course No.		Subject	Grade	Credits
03440100	FN0130	SPANISH I, NON-NATIVE	8-12	1
03440200	FN0230	SPANISH II, NON-NATIVE	8-12	1
03440300	FN0330	SPANISH III, NON-NATIVE	8-12	1
03440110	FS0130	SPANISH I, NATIVE	9-12	1
03440220	FS0230	SPANISH II, NATIVE	9-12	1
03440330	FS0330	SPANISH III, NATIVE	9-12	1
03440110	FS0180	SPANISH I, NATIVE PAP	9-12	1
03440220	FS0280	SPANISH II, NATIVE PAP	9-12	1
A3440100	FS0390	AP SPANISH LANGUAGE & CULTURE	9-12	1
A3440200	FS1090	AP SPANISH LITERATURE & CULTURE	9-12	1
03410100	FF0130	FRENCH I	9-12	1
03410200	FF0230	FRENCH II	9-12	1
03410300	FF0330	FRENCH III	9-12	1
A3410100	FF0490	AP FRENCH LANGUAGE & CULTURE	9-12	1

SPANISH I, II, III NON-NATIVE FN0130 - FN0330

CREDIT (1) each year PREREQUISITE: Placement & preceding levels

The development of Spanish listening, speaking, reading and writing proficiencies. Basic vocabulary is expanded, as well as grammatical structure, and cultural studies. For students at a basic proficiency level.

SPANISH I, II, III NATIVE FS0130 - FS0330

CREDIT (1) each year PREREQUISITE: Placement & preceding levels

Courses offer sequential Spanish language arts instruction with LOTE requirements. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the Spanish language. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students should perform at novice-med-to- high proficiency by the end of the year. Students can earn 1.0 high school credit for each SSS course they pass that applies to the LOTE requirement in the WISD's Foundation High School Program.

SPANISH I AND II NATIVE PAP

Courses offer sequential Spanish language instruction. The overarching goal is communication. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom.

AP SPANISH LANGUAGE & COMPOSITION

FS0390FS03D0 A3440100

CREDIT (1) PREREQUISITE: Placement & preceding levels

Description: This course offers Spanish language arts instruction in the integrated skills of speaking, listening, reading and writing. Students focus on communication in the target language and should perform at intermediate-mid proficiency by the end of the year. Students also learn about the culture of the country or countries where the language is spoken. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students are able to earn 1.0 high school credit, which applies to the LOTE requirement in WISD's Foundation High School Program and have the opportunity to take the AP test for college credit. Languages Other Than English develops higher-level student proficiency via world language instruction of which the overarching goal is communication. Whether weighted or AP, students should perform at intermediate-mid to intermediate-high proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets. Exclusive use of the target language by both teacher and student is expected at this fourth stage of language learning. Students study more advanced grammatical concepts as appropriate and delve even deeper into the analysis of the products, practices and perspectives of the target culture(s). At this level, it is crucial that students are exposed to a wide array of authentic materials such as audio and video resources as well as written and literary texts. Curriculum is based on guidelines from the College Board, which advocates for advanced placement best practices and strategies that will prepare students for college and career. In May, students may opt to take the College Board Advanced Placement examination in their target language. These exams provide a measure of a student's ability to communicate in the target language via tasks that allow them to demonstrate their skills in the interpretive, interpersonal and presentational modes of communication. The exam also assesses a student's familiarity with the target culture. An incentive for taking the exam is the potential for receiving a sufficient score that will grant college credit hours. In general, these exams are taken at the end of the level IV course, although some students may wait until the fifth-year of language study to take the examination. ***CC (dual)**

AP SPANISH LITERATURE & COMPOSITION FS1090

CREDIT (1) PREREQUISITE: preceding levels

A college level course in Spanish. Students take the AP Spanish literature and composition exam in May and can receive college credit hours depending on their score. ***AP, CC (dual)**

FRENCH I, II, III FF0130

03410300

CREDIT (1) PREREQUISITE: None

The development of French listening, speaking, reading and writing proficiencies. Basic vocabulary is expanded, as well as grammatical structure, and cultural studies.

AP FRENCH LANGUAGE & FF0490

COMPOSITION

CREDIT (1) PREREQUISITE: French III Pre-AP

A college level course in French. Students take the AP French language and composition exam in May and can receive college credit hours depending on their score.

NOTE: Occasionally changes occur in courses. We will communicate any changes that are required in a timely manner.



tate Board of Education (SBOE). We will place when you entered your first year in high school.

Health and Physical Education

WESLACO ISD				
Course No.		Subject	Grade	Credits
03810100	PH1035/6	HEALTH I	9-12	.5
03820101	PF1135/6	FOUNDATIONS OF PERSONAL FITNESS	9-12	.5
03860105/15/25	PT1131/2	TEAM SPORTS	9-12	.5
03850104/14	PI1135/6	INDIVIDUAL SPORTS	9-12	.5
03840103/13	PR1135/6	AEROBIC ACTIVITIES	9-12	.5
03830102	PO1135/6	ADVENTURE/OUTDOOR ED.	9-12	.5

HEALTH I PH1035/6

CREDIT (.5) PREREQUISITE: None

In Health I, students develop skills that will make them health-literate adults. Students gain a deeper understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks. Students learn how to access accurate information that they can use to promote health for themselves and others. Health I is required for graduation.

FOUNDATIONS OF PERSONAL FITNESS PF1135/6

CREDIT (.5) PREREQUISITE: None

Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. Required for graduation; waivers or equivalents may be substituted in some cases.

TEAM SPORTS PT1131/2

CREDIT (.5) PREREQUISITE: FPF

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

INDIVIDUAL SPORTS PI1135/6

CREDIT (.5) PREREQUISITE: FPF

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

AEROBIC ACTIVITIES PR1135/6

CREDIT (.5) PREREQUISITE: FPF

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

ADVENTURE/OUTDOOR ED. PO1135/6

CREDIT (.5) PREREQUISITE: FPF

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

Physical Education Substitutions

Athletics

Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement. Students must earn 1.0 Physical Education graduation credit by participating in various physical education substitutions.

These courses may be taken multiple times provided that a different TEA number is used in sequence each time. No more than 4.0 PE substitution credits may be earned through any combination of allowable substitutions for state credit. Students may earn additional elective credits through Physical Education based on their graduation plan.

WESLACO ISD				
Course No.		Subject	Grade	Credits
PES00000, 01, 02, 03	PA9530	WRESTING 1, 2, 3, 4	9-12	.5
PES00000, 01, 02, 03	PA1530	BASEBALL 1, 2, 3, 4	9-12	.5
PES00000, 01, 02, 03	BOYS-PA2530 GIRLS-PA2130	BASKETBALL	9-12	.5
PES00000, 01, 02, 03	BOYS-PA7530 GIRLS-PA7130	TRACK/FIELD SPRING	9-12	.5
PES00000, 01, 02, 03	BOYS PA3535 GIRLS-PA3130	CROSS COUNTRY FALL	9-12	.5
PES00000, 01, 02, 03	GIRLS-PA9130	VOLLEYBALL	9-12	.5
PES00000, 01, 02, 03	BOYS-PA5530 GIRLS-PA5130	GOLF	9-12	.5
PES00000, 01, 02, 03	PA0130	SWIMMING	9-12	.5
PES00000, 01, 02, 03	PA6130	TENNIS	9-12	.5
PES00000, 01, 02, 03	PA4130	FOOTBALL	9-12	.5
PES00000, 01, 02, 03	BOYS-PA8530 GIRLS-PA8130	SOCCER	9-12	.5
PES00000, 01, 02, 03	PA1130	SOFTBALL	9-12	.5
PES00000, 01, 02, 03	PA1530	BASEBALL	9-12	.5
PES00000, 01, 02, 03	BOYS-PA6560 GIRLS-PA4530	POWERLIFTING	9-12	.5

Activity-based Courses for Physical Education Substitutions

MARCHING BAND/COLOR GUARD FALL ONLY PES00012 AB0130

0.5 PE CREDIT

GRADE 9-12

APPROVED BY MARCHING BAND DIRECTOR

CHEERLEADING PES00013 PC1135

1.0 PE CREDIT

GRADED 9-12

APPROVED BY CAMPUS CHEERLEADING SPONSOR

DRILL TEAM PES00014 PP1335

1.0 PE CREDIT

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

GRADED 9-12

APPROVED BY DRILL TEAM SPONSOR

JROTC PES00004 PJ0130

1.0 PE CREDIT

GRADED 9-12

APPROVED BY CAMPUS CHEERLEADING SPONSOR

*Military Science*

WESLACO ISD				
Course No.		Subject	Grade	Credits
03160100/200/300/400	PJ0130 -PJ0430	RESERVE OFFICERS TRAINING CORPS (ROTC) I, II, III, IV		1

RESERVE OFFICERS**TRAINING CORPS (ROTC) I, II, III, IV PJ0130 -PJ0430*****CREDIT (1) each year PREREQUISITE: Approval***

The Reserve Officers Training Corps is a cooperative effort between the U.S. Army and school districts to provide a character and leadership developmental program of military science. It instills the student with an enhanced sense of self-esteem, teamwork, and self-discipline that can be applied to any post-secondary situation. Studies include topics such as military history, geography, service learning, first aid, citizenship, duty, responsibility, communications, leadership, drill and ceremony. Satisfactory completion can lead to advanced placement in the active Army, Army Reserves, or National Guard.

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

SECTION V: CAREER AND TECHNICAL EDUCATION



Headquarters: Joe Cavillo, Jr. Career & Technology Complex

Sandra Avila, CTE Director

Ivanelle Guerra, CTE Supervisor

3601 N Mile 5 ½ West

Rosie C. Perez, CTE Career Development Advisor

William Brewer, CTE Technology Coordinator



Weslaco ISD's Career & Technical Education (CTE) programs are "*Changing Lives and Building Futures*". Our teachers and students have been recognized at the regional, state, and national levels for their accomplishments in the classroom, in our community, and in the various competitive events associated with their respective CTE student organizations. We credit this success to strong support by parents, business and postsecondary partners, Weslaco ISD's Board of Trustees, and the Superintendent in providing the resources necessary for quality Career and Technical education programs for Weslaco ISD students.

CTE establishes "extended learning" through project-based activities, work-based learning opportunities such as Career Preparation or Practicum courses and Job Shadowing participation. Furthermore, Career Technical Student Organizations, or CTSO's, exist for every student to participate in to acquire leadership skills that are vital and essential to their over-all career development.

Employers are demanding that their future employees be able to apply academic and technical skills to real-world problems that are encountered in the workplace. According to the U. S. Department of Labor, 85% of all jobs will require students to further their education beyond high school. CTE is critical in meeting this demand.

In addition, we are part of a tremendous statewide initiative known as **Achieve Texas**, a college and career pathway system designed to prepare students for high school and postsecondary education, work life and citizenship while acquiring industry certifications. The goal of WISD Career & Technical Education (CTE) is for students to begin taking courses in high school that will serve as the foundation for a postsecondary education and a preparation for entry-level opportunities while acquiring industry certifications for a world-class workforce. When schools integrate academic and technical education, students can see the "usefulness" of what they are learning. This system also facilitates a seamless transition from secondary to postsecondary; for example, Pre-Advanced Placement courses, Advanced Placement courses, Advanced Technical Credit courses (ATC), and Dual credit courses.

Through Achieve Texas' 16 federally defined "career clusters", WISD Career & Technical Education (CTE) is at the forefront in education as it integrates academics with relevant career education through its Small Learning Communities. This initiative uses the sixteen federally defined Career Clusters of the States' Career Clusters initiative (www.careerclusters.org) as the foundation for restructuring how schools arrange their instructional programs. Career clusters are groups of similar occupations and industries developed by the U.S. Department of Education as a way to organize educational planning for students for future careers. Each of the career clusters has an associated Program of Study detailing a recommended sequence of coursework for secondary and postsecondary education based on a student's interest or career goal. Programs of Study (POS) have been developed for each of the Career Clusters. The POS represent a recommended sequence of coursework based on a student's interest or career goal.

Several programs of study contain courses that allow for the awarding of college credit through completion of courses articulated with South Texas College or Texas State Technical College. The majority of CTE Programs of Study prepare students for industry recognized credentials, certifications and/or licensure.

CTE Cluster Areas:

- Agriculture, Food and Natural Resources
- Architecture and Construction

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emendias en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

- Arts, Audio/Video Technology and Communications
- Business Management and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science

Other Career Courses:

- Career Preparation I, Career Preparation II
- Additional Career Related Courses

- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections and Security
- Manufacturing
- Marketing
- Science, Technology, Engineering and Mathematics
- Transportation, Distribution and Logistics



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). We will communicate any changes that are required. If no changes occur, you will graduate with the course requirements in place when you entered your first year in high school.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

CTE CLUSTERS



Processing, production, distribution and development of agricultural commodities and natural resources - Occupations involved in this pathway are related to agriculture, the environment, and natural resources, including earth science, environmental science, marine science, plant science, and animal science. These may include horticulturist, fish/game warden, conservationist, biological scientist, geologist, veterinarian, and production agriculture.



Designing, managing, building, and maintaining the built environment. Occupations include construction manager, architect, mechanical drafter, construction and building inspector, painter, stucco mason, tile and marble setter, surveyor and cost estimator.



Creating, exhibiting, performing and publishing multimedia content. Occupations include art director, producer, sound engineering technician, multimedia artist and animator, editor, graphic designer, music director and composer, public relations specialist, choreographer and musician and singer.



Organizing, directing, and evaluating functions essential to productive business operations. Occupations include chief executive, public relations manager, accountant, auditor, customer service representative, human resource assistant, receptionist and clerk, employment specialist and budget analyst.



Providing education and training services, and related learning support services. Occupations include teaching in the following disciplines: law, health specialties, anthropology, archaeology, art, drama, music, career and technical education, foreign languages, kindergarten, library science and communications.



Financial and investment planning, banking, insurance, and business financial management - Occupations include financial manager, actuary, economist, financial analyst, market research analyst, insurance sales agent, credit analyst, personal financial advisor, loan officer, loan counselor, tax preparer and bill and account collector.



Executing governmental functions at the local, state, and federal levels - Occupations include Judge, magistrate, administrative services manager, tax examiner and agent, urban and regional planner, emergency management specialist, substance abuse and behavioral disorders counselor, animal control worker, mediator, hazardous materials removal worker, social and community service manager.



Providing diagnostic and therapeutic services, health informatics, support services, and biotechnology research - Occupations include general dentist, family and general practitioner, physician assistant, physical therapist, respiratory therapy technician, physician assistant, registered nurse, medical records and health information technician, pharmacy technician, nuclear medicine technologist and medical and health services manager.



Managing restaurants and other food services, lodging, attractions, recreation events, and travel-related services - Occupations include food service manager, meeting and convention planner, athlete and sports competitor, host/hostess, waiter/waitress, customer service representative, chef and head cook, coach and scout, umpire, referee and other sports official and amusement and recreation attendant.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emendias en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.



Providing for families and serving human needs – Occupations include rehabilitation counselor, mental health counselor, marriage and family therapist, preschool teacher, personal and home care aide, social and human services assistant, medical and public health social worker, financial manager, sales manager, clergy, educational administrator, and personal financial advisor.



Designing, supporting, and managing hardware, software, multimedia, and systems integration – Occupations include network systems and data communications analyst, computer and information systems manager, electrical engineer, computer hardware engineer, computer programmer, security and fire alarm systems installer, database administrator, computer support specialist and computer science teacher.



Providing legal, public safety, protective, and homeland security services – Occupations include police and sheriff's patrol officer, detective and criminal investigator, correctional officer and jailer, lawyer, judge, court reporter, fire inspector, hearing officer, mediator firefighter, paralegal and legal assistant and bailiff.



Processing materials into intermediate or final products – Occupations include general and operations manager, environmental engineer, industrial engineering technician, mechanical engineering technician, avionics technician, welder, cabinetmaker, mobile home installer, medical equipment repairer, electromechanical technician, commercial and industrial designer, purchasing agent and electronic home entertainment equipment installer.



Performing marketing activities to reach organizational objectives – Occupations include sales manager, marketing manager, sales engineer, public relations specialist, real estate broker, market research analyst, appraiser and assessor of real estate, advertising and promotions manager, exhibit designer, cashier, sales worker, counter clerk, retail salesperson and real estate sales agent.



Performing scientific research and professional and technical services – Occupations include biomedical engineer, civil engineer, biochemist, biophysicist, nuclear technician, petroleum engineer, agricultural engineer, environmental science & protection technician, forensic science technician, surveying & mapping technician, biological technician, surveying & mapping technician and physicist.



Managing movement of people, materials, and goods by road, pipeline, air, rail, and water – Occupations include commercial airline pilot, aerospace engineering & operations technician, aircraft mechanic & service technician, automotive service technician, postal service mail carrier, captain of water vessels, postmaster, ship loader, truck driver, traffic technician, sailor and marine oiler, flight attendant, cargo/freight agent and motorboat operator.



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

2019-2020 Career & Technical Education

Programs of Study



Career Clusters

All Pathways are categorized by Career Cluster



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Deprechos Civiles de 1964, según enmienda; el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

SLC: Design & Engineering, Health Science, Criminal Justice, Health Science & Education, The Arts, Media Communications, Business & Finance

Endorsement: Business & Industry



Agriculture, Food, and Natural Resources

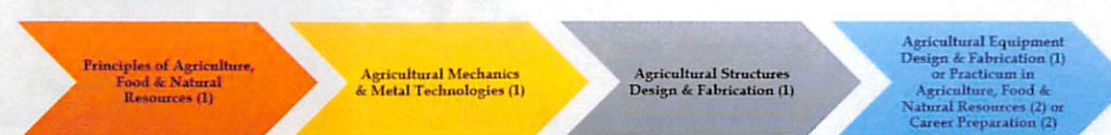
Livestock



Plant Science



Agricultural Mechanics



SLC: Business & Finance, Health Science & Education

Endorsement: Business & Industry



Agriculture, Food, and Natural Resources

Wildlife



Teachers: Juan Cadena, Alonzo Garza, Rolando Gonzalez, TBD

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emendaciones en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

SLC: Design & Engineering

Endorsement: Business & Industry

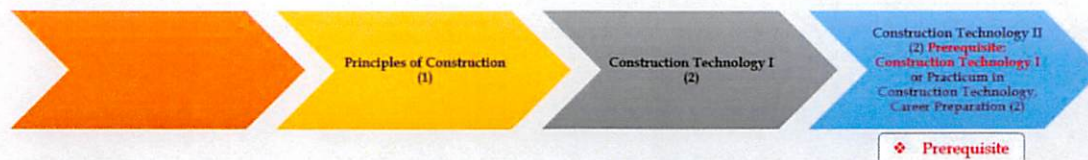
Architecture and Construction



Architecture - Oscar Garcia, Instructor, STC DE



Construction - John Whittier



SLC: Media Communications & Technology

Endorsement: Business & Industry

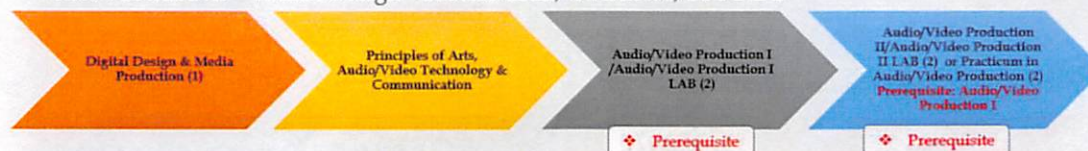
Arts, A/V Technology & Communications



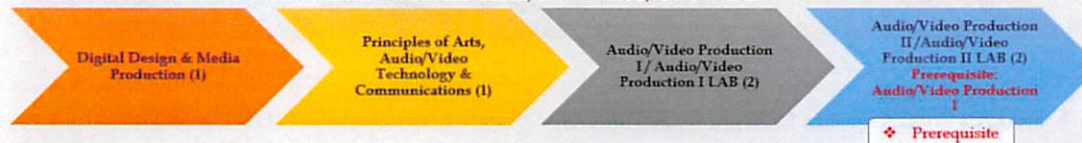
Video Game Design - Weslaco East- Max Mata, Instructor



Video Production - Weslaco High- Gabriel Cruz, Instructor, TSTC DE



Video Production - Weslaco East- Gabriel Cruz, Instructor, TSTC DE



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda, el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

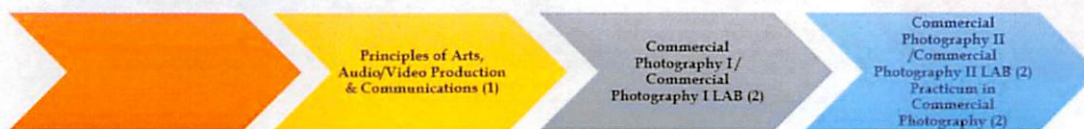
SLC: Media Communications & Technology

Endorsement: Business & Industry

Arts, A/V Technology & Communications



NEW - Commercial Photography- Andres Rodriguez, Instructor



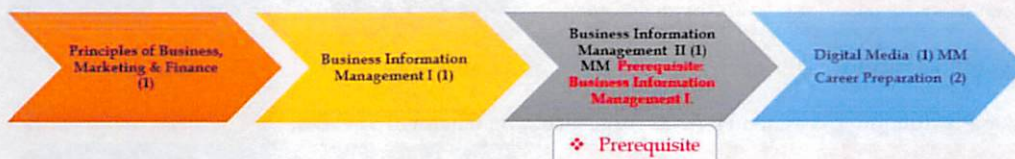
SLC: Business & Finance

Endorsement: Business & Industry

Business Management & Administration



Multimedia Certificate



Computer Applications Certificate



Marco Alvarez, Amanda Rodriguez, Enrique Gonzalez - Instructors, STC DE

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emendaciones en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Business & Finance

Endorsement: Business & Industry



Business Management & Administration

Business



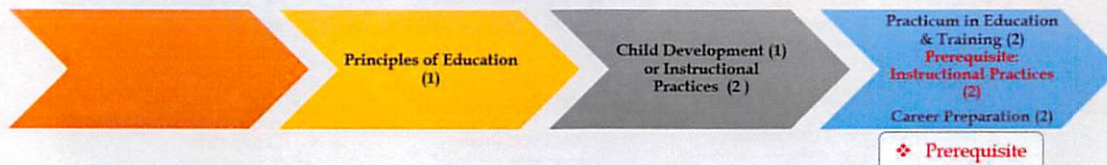
Instructors: Carmen Villarreal, Kim Rainbolt, Ruby Silva, *Stephanie Garcia-*STC DE, Sylvia Cardenas, William Kromer, Noel Villarreal, *Maggie Oliva -*STC DE

SLC: Business & Finance

Endorsement: Public Services

Education & Training

WESLACO EAST- Yolanda Sanchez, Instructor



WESLACO HIGH- Guadalupe Carranza, Instructor, STC DE



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Deprechos Civiles de 1964, según enmienda; el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

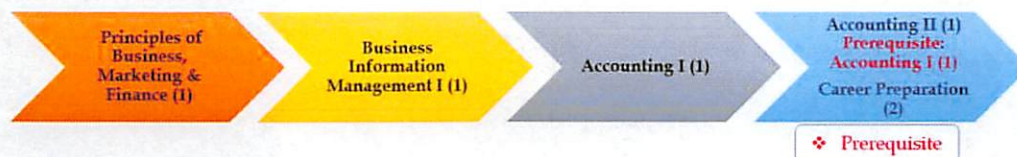
SLC: Business & Finance

Endorsement: Business & Industry

Finance



ACCOUNTING

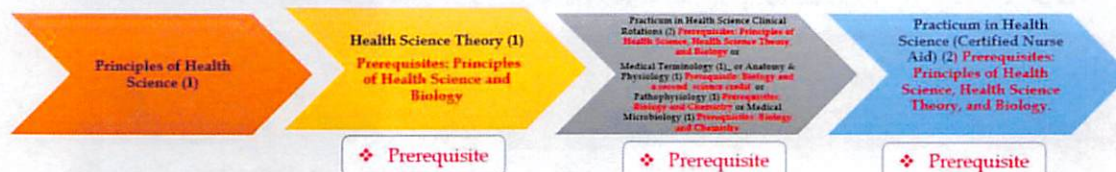


SLC: Health Science

Endorsement: Public Services

Health Science

CERTIFIED NURSE AIDE – Laura Zavala, Instructor



PHARMACY TECHNICIAN- Maggie Ramirez - Instructor



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

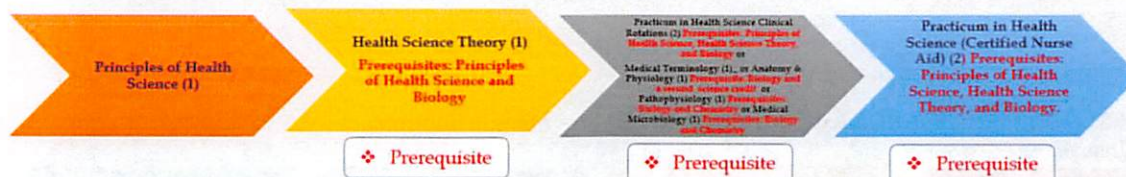
It is the policy of Weslaco ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Health Science

Endorsement: Public Services

Health Science

CERTIFIED NURSE AIDE – Laura Zavala, Instructor



PHARMACY TECHNICIAN- Maggie Ramirez - Instructor

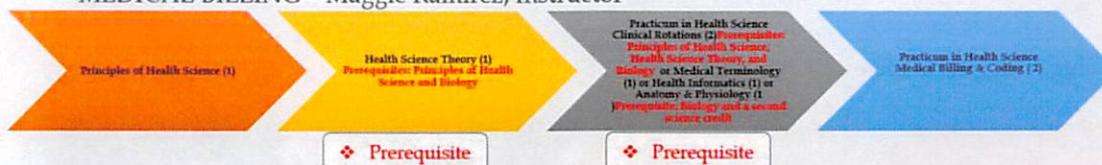


SLC: Health Science

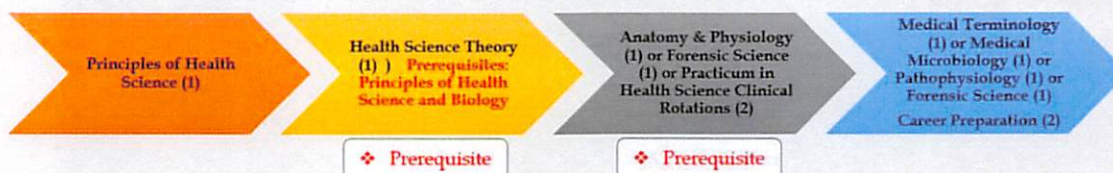
Endorsement: Public Services

Health Science

MEDICAL BILLING – Maggie Ramirez, Instructor



HEALTH PROFESSIONAL – Health Science Instructors



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Health Science

Endorsement: Public Services

Health Science

EKG – ELECTROCARDIOGRAM/PHLEBOTOMY – Maggie Ramirez,
Instructor



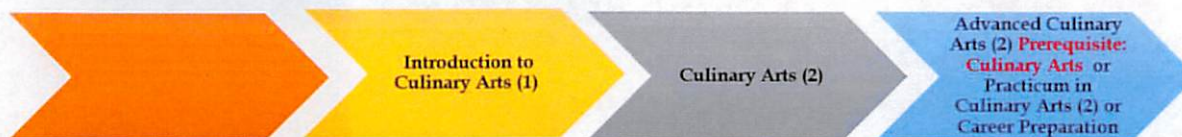
SLC: The Arts

Endorsement: Business & Industry

Hospitality & Tourism



CULINARY ARTS- Melba Tijerina – Instructor, TSTC DE



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Business & Finance and Arts

Endorsement: Public Services

Human Services



Human Services @ WESLACO EAST- Guadalupe Gonzalez- Instructor



Human Services @ WESLACO HIGH- Mary Martin, TBD, Instructors



COSMETOLOGY- TBD, Sandra De La Garza and Alyssa Duran - Instructors



SLC: Media Communications & Technology

Endorsement: Business & Industry

Information Technology



Information Technology & Cyber Security -Mario Palacios, Instructor, STC DE



Game Art & Design - Weslaco High - Veronica Galvan, Instructor



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Deprechos Civiles de 1964, según enmienda, el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

SLC: Criminal Justice Community

Endorsement: Public Services

Law, Public Safety, Corrections, and Security



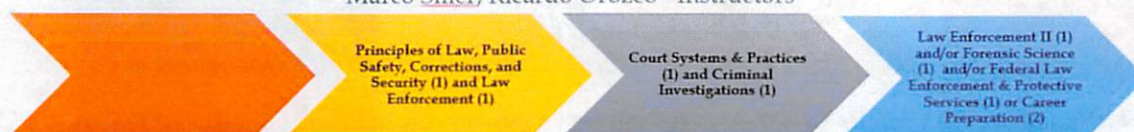
WESLACO HIGH

Eleazar Mendez, STC DE, TBD- Instructors



WESLACO EAST

Marco Siller, Ricardo Orozco - Instructors



SLC: Design & Engineering

Endorsement: Business & Industry

Manufacturing



Welding Technology

Brandon Hernandez, STC DE Instructor



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda, el Título IX de las Emendaciones en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Design & Engineering

Endorsement: Business & Industry

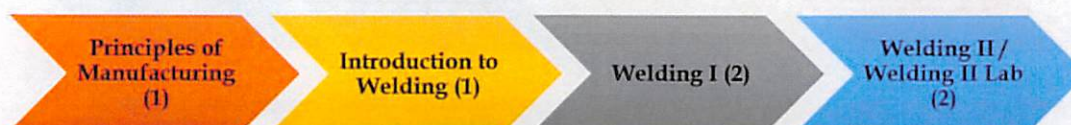
Manufacturing



CTE ECHS Advanced Manufacturing Technology
(sample of courses)



CTE ECHS Welding Technology (sample of courses)



SLC: Business & Finance

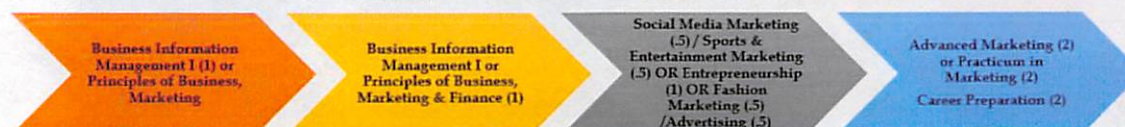
Endorsement: Business & Industry

Marketing



WESLACO HIGH

Alicia Ginez, STC DE, Yolanda Martinez, STC DE - Instructors



WESLACO EAST

Maggie Oliva, STC DE - Instructor



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emendaciones en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

SLC: Design & Engineering, Health Science, Criminal Justice, Health Science & Education, The Arts, Media Communications, Business & Finance

Endorsement: STEM

Science, Technology, Engineering, & Mathematics

ENGINEERING

Jose Balderas, Instructor



STEM



SLC: Design & Engineering

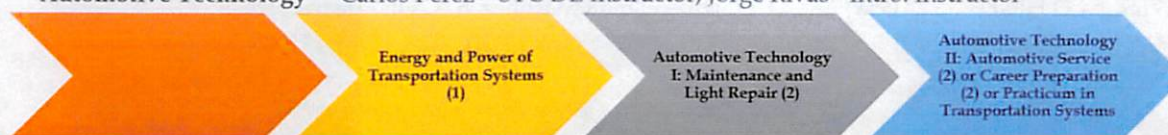
Endorsement: Business & Industry

Transportation, Distribution & Logistics



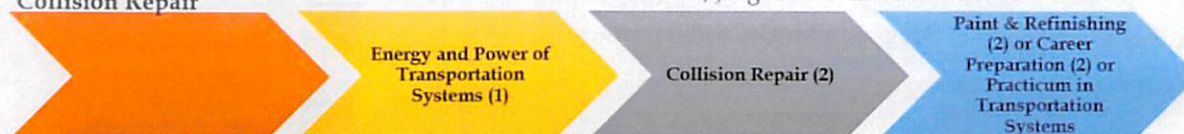
Automotive Technology

Carlos Perez - STC DE Instructor, Jorge Rivas- Intro. Instructor



Collision Repair

Manuel Carmona TSTC DE Instructor, Jorge Rivas- Intro. Instructor



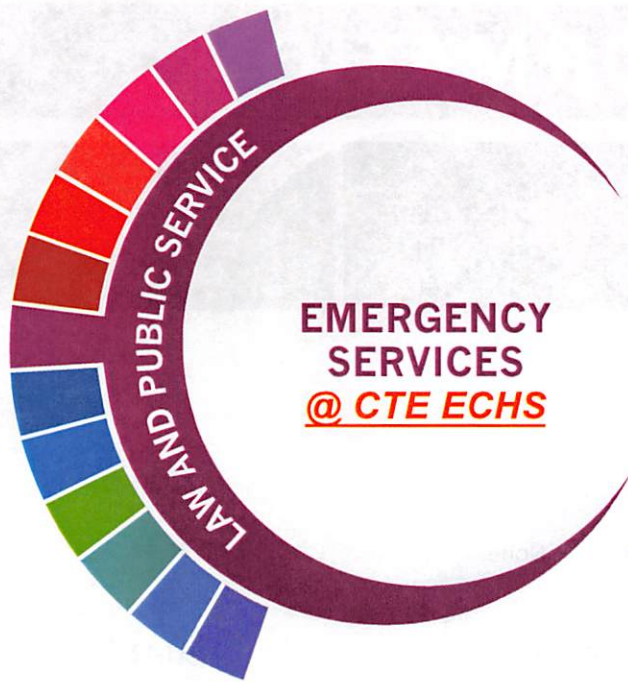
CTE ECHS Diesel Technology (sample of courses)



NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Emiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

COURSES



N/A



N/A



N/A



Emergency Medical Technician-Basic (Fall/Spring)
Practicum in Law, Safety, Corrections & Security (Fall/Spring)
Counseling & Mental Health (Spring)

POSTSECONDARY OPTIONS - STC- Emergency Medical Technician Basic Certificate

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Emergency Medical Technician - Basic		Emergency Medical Technology/Technician (EMT Paramedic)		
Emergency Telecommunicator	Fire Protection Personnel/Firefighter	Fire Prevention and Safety Technology/Technician	Natural Resources Law Enforcement and Protective Services	
Basic Structure Fire Protection Certification	Fire Protection System Contractor	Fire Science/Fire-fighting		
	Fire Inspector			

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Firefighters	\$50,149	2,309	13%
Fire Inspectors and Investigators	\$54,787	161	14%
Emergency Medical Technicians	\$34,091	1,880	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Attend local emergency awareness events; Texas Public Service Association

Work Based Learning Activities:
Volunteer at a hospital or a fire station

The Emergency Services program of study focuses on training students to respond to emergency situations, namely medical emergencies and fire-based emergencies. Students may learn how to prevent emergencies, respond appropriately and in accordance with rules and regulations during crises, and investigate and delineate the source of the emergency. The Law and Public Service Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including



It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Emergency Services program of study will fulfill requirements of the Public Service Endorsement.
Approved Statewide Program of Study - September 2019 Modified by Weslaco ISD Career & Technical Education



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	GRADE
Principles of Law, Public Safety, Corrections, and Security	13029200 (1 credit)	None	9-12
Disaster Response	N1303011 (1 credit)	None	9-12
Firefighter I	13029900 (2 credits)	None	10-12
Emergency Medical Technician - Basic	N1303015 (2 credits)	PREQ: Biology	11-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit;	10-12
National Security	13018800 (1 credit)	None	10-12
Counseling and Mental Health	13024600 (1 credit)	None	11-12
Firefighter II	13030000 (3 credits)	PREQ: Firefighter I	11-12
Practicum in Law, Public Safety, Corrections, and Security	13030100 (2 credits) 13030105 (3 credits) 13030110 (2 credits) 13030115 (3 credits)	None	11-12
Project-Based Research	12701500 (1 credit)	None	11-12

FOR ADDITIONAL INFORMATION ON THE LAW AND PUBLIC SERVICE
CAREER CLUSTER, PLEASE CONTACT:

Dale Fowler | Dale.Fowler@tea.texas.gov

<https://tea.texas.gov/cte>

COURSES

Introduction to Welding (.5 cr Spring)
Principles of Manufacturing (.5 cr Spring)

GRADE 9

Introduction to Welding (.5 cr Fall)
Welding I (1 cr Spring)

GRADE 10

Welding I (1 cr Fall)
Welding II/Lab (Fall/Spring)
Practicum in Manufacturing (1 cr Spring)

GRADE 11

Practicum in Manufacturing (Fall/Spring)
Career Preparation I (Fall/Spring)

GRADE 12



POSTSECONDARY OPTIONS- STC -Structural Welding Certificate, Combination Welding Certificate or Welding AAS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AWS Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Welding Technology/ Welder	Welding Engineering Technology/ Technician	
ASW SENSE Level 1	Machining Level 1 - CNC Milling: Programming Setup & Operations	Machine Shop Technology/ Assistant	Biomedical Technology/ Technician	Occupational Health and Industrial Hygiene
API 1104 Welding Certificate	Certified Welding Engineering	Operations Management and Supervision		
NCCER Welding, Level 1	Certified Environmental, Safety, and Health Trainer	Occupational Safety and Health Technology/ Technician	Environmental Health	

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate and compete in SkillsUSA
Job shadow a machinist

Work Based Learning Activities:
Apprenticeship at a local business or industry
American Welding Society

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Students will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment. The Manufacturing Career Cluster® focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and



It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Manufacturing Technology program of study will fulfill requirements of the Business and Industry Endorsement. Approved Statewide Program of Study - September 2019- Modified by Weslaco ISD Career & Technical Education

COURSE INFORMATION

[illegible]

FOR ADDITIONAL INFORMATION ON THE MANUFACTURING CAREER CLUSTER, PLEASE CONTACT:

Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>

COURSES

GRADE 9

Introduction to Welding (.5 cr Spring)
Principles of Manufacturing (.5 cr Spring)

GRADE 10

Introduction to Welding (.5 cr Fall)
Welding I (1 cr Spring)

GRADE 11

Welding I (1 cr Fall)
Welding II/Lab (Fall/Spring)
Practicum in Manufacturing (1 cr Spring)

GRADE 12

Practicum in Manufacturing (Fall/Spring)
Career Preparation I (Fall/Spring)

LAW ENFORCEMENT @CTE ECHS

POSTSECONDARY OPTIONS - STC - (AA) Associate of Arts in Criminal Justice

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AWS Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Criminal Justice/Safety Studies/Law Enforcement Administration		
ASW SENSE Level 1	Machining Level 1 - CNC Milling: Programming Setup & +	Criminal Justice/ Police Science		Occupational Health and Industrial Hvgiene +
API 1104 Welding Certificate	Certified Welding Engineering	Corrections	Juvenile Corrections	
NCCER Welding, Level 1	Certified Environmental, Safety, and Health Trainer+.	Occupational Safety and Health Technology/+	Cyber/ Computer Forensics and Counterterrorism	Natural Resources Law Enforcement and Protective Services

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%
Correctional Officers and Jailers	\$40,186	4,683	9%
Immigration and Customs Inspectors	\$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	\$91,312	253	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate and compete
in SkillsUSA
Job shadow a machinist

**Work Based Learning
Activities:**
Attend court hearings and
other legal procedures.

The Law Enforcement program of study teaches students about the development of, adherence to, and protection of various branches of law. Students may learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred. The Law and Public Service Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. +



It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Law Enforcement, Investigations, Security, & Corrections program of study will fulfill requirements of the Public Service Endorsement. Approved Statewide Program of Study - September 2019 Modified by Weslaco ISD Career & Technical Ed



COURSE INFORMATION

[illegible]

FOR ADDITIONAL INFORMATION ON THE LAW AND PUBLIC SERVICE
CAREER CLUSTER, PLEASE CONTACT:

Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>



COURSES

GRADE 9

Introduction to Welding (.5 cr Spring)
Principles of Manufacturing (.5 cr Spring)

GRADE 10

Introduction to Welding (.5 cr Fall)
Welding I (1 cr Spring)

GRADE 11

Welding I (1 cr Fall)
Welding II/Lab (Fall/Spring)
Practicum in Manufacturing (1 cr Spring)

GRADE 12

Practicum in Manufacturing (Fall/Spring)
Career Preparation I (Fall/Spring)

POSTSECONDARY OPTIONS: STC Diesel Certificate

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE®	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AWS Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Welding Technology/ Welder		
ASW SENSE Level 1	Machining Level 1 - CNC Milling; Programming	Machine Shop Technology/ Assistant	Biomedical Technology/ Technician	Occupational Health and Industrial Hygiene
API 1104 Welding Certificate	Certified Welding Engineering	Corrections	Juvenile Corrections	
NCCER Welding, Level 1	Certified Environmental, Safety, and Health Trainer	Occupational Safety and Health Technology/ Technician	Cyber/ Computer Forensics and Counterterrorism	Natural Resources Law Enforcement and Protection

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate and compete in SkillsUSA
Job shadow a machinist

Work Based Learning Activities:
Apprenticeship at a local business or industry
American Welding Society

The Diesel and Heavy Equipment program of study teaches students to diagnose, repair, modify, or redo mechanical and hydraulic equipment on crane, bulldozer, grader, conveyor, construction equipment, bus, and truck diesel engines. The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, and water.




It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Diesel & Heavy Equipment program of study will fulfill requirements of the Business & Industry Endorsement. Approved Statewide Program of Study - Sept 2019- Modified by Weslaco ISD Career & Tech Ed



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	GRADE
Introduction to Welding	13032250 (1 credit)	None	9-12
Welding I	13032300 (2 credit)	None	10-12
Welding II/Lab	13032400 (2 credits) 13032410 (3 credits)	PREQ: Welding I	11-12
Practicum in Manufacturing	13033000 (2 credits) 13033005 (3 credits) 13033010 (2 credits) 13033015 (3 credits) 	None	12
Practicum in Entrepreneurship	TBD	TBD	TBD
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION,
AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>

COURSES

GRADE 9

Introduction to Welding (.5 cr Spring)
Principles of Manufacturing (.5 cr Spring)

GRADE 10

Introduction to Welding (.5 cr Fall)
Welding I (1 cr Spring)

GRADE 11

Welding I (1 cr Fall)
Welding II/Lab (Fall/Spring)
Practicum in Manufacturing (1 cr Spring)

GRADE 12

Practicum in Manufacturing (Fall/Spring)
Career Preparation I (Fall/Spring)



POSTSECONDARY OPTIONS - STC - Precision Manufacturing Technology Certificate and/or Precision Manufacturing Technology AAS

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
AWS Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Welding Technology/Welder	Welding Engineering Technology/Technician	
ASW SENSE Level 1	Machining Level 1 - CNC Milling: Programming Setup & Operations	Machine Shop Technology/Assistant	Engineering, General	
API 1104 Welding Certificate	Certified Welding Engineering	Corrections	Industrial Engineering	
NCCER Welding, Level 1	Certified Environmental, Safety, and Health Trainer+	Occupational Safety and Health Technology/Technician	Environmental Health	

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, +	\$40,040	280	9%
Correctional Officers and Jailers	\$40,186	4,683	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:

Participate and compete in SkillsUSA
Job shadow a machinist

Work Based Learning Activities:

Attend court hearings and other legal procedures.

The Advanced Manufacturing and Machinery Mechanics program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. Students may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering. The Manufacturing Career Cluster® focuses on planning, managing, and performing the processing of materials into intermediate or final products and related +



It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Advanced Manufacturing & Machinery Mechanics program of study will fulfill requirements of the Business & Industry Endorsement. Approved Statewide Program of Study-Sept 2019 Modified by Weslaco ISD Career & Technical Education +



COURSE INFORMATION

[illegible]

FOR ADDITIONAL INFORMATION ON THE MANUFACTURING CAREER CLUSTER, PLEASE CONTACT:

Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>

Weslaco ISD Career & Technical Education



Career & Technical Education *Dual Enrollment Opportunities*

South Texas College:

- **Architectural Drafting**—Oscar Garcia @ Calvillo CTE Complex
- **Automotive Technology**—Carlos Perez @ Calvillo CTE Complex
- **Computer & Advanced Technology (Comp Maint)** - Voice & Data Technician Level I Certificate Mario Palacios @ Calvillo CTE Complex
- **Welding Technology**—Brandon Hernandez @ Calvillo CTE Complex
- **Criminal Justice**—Eleazar Mendez @ WHS
- **Business Information Management II**—Computer Applications Specialist Level I Certificate OR Multimedia Level I Certificate —Amanda Rodriguez @ WHS and Enrique Gonzalez @ WEHS
- **Digital Media**—Amanda Rodriguez @ WHS and Enrique Gonzalez @ WEHS
- **Marketing**—Maggie Oliva @ WEHS

Texas State Technical College:

- **Culinary Arts**—Melba Tijerina @ Weslaco Culinary Arts Center

For more information on these dual enrollment programs, please see your High School Counselor at WHS or WEHS. For dual enrollment programs at the Calvillo CTE Complex or Culinary Arts Center, please contact Rosie C. Perez, Career Development Advisor at 969-6703.

Weslaco ISD Career & Technical Education



Career & Technical Education *Dual Enrollment Opportunities*

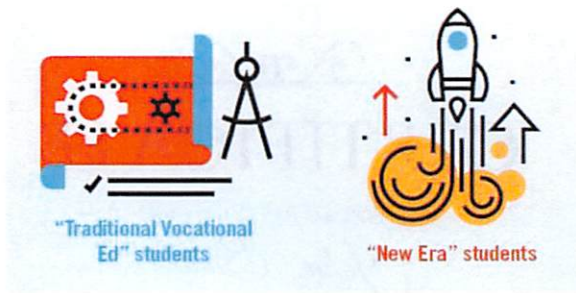
South Texas College:

- **Architectural Drafting**— Oscar Garcia @ Calvillo CTE Complex
- **Automotive Technology**—Carlos Perez @ Calvillo CTE Complex
- **Computer & Advanced Technology (Comp Maint)** - Voice & Data Technician Level I Certificate Mario Palacios @Calvillo CTE Complex
- **Welding Technology**—Brandon Hernandez @ Calvillo CTE Complex
- **Criminal Justice**—Eleazar Mendez @ WHS
- **Business Information Management II**—Computer Applications Specialist Level I Certificate OR Multimedia Level I Certificate —Amanda Rodriguez @ WHS and Enrique Gonzalez @ WEHS
- **Digital Media**—Amanda Rodriguez @ WHS and Enrique Gonzalez @ WEHS
- **Marketing**—Maggie Oliva @ WEHS

Texas State Technical College:

- **Culinary Arts**—Melba Tijerina @ Weslaco Culinary Arts Center

For more information on these dual enrollment programs, please see your High School Counselor at WHS or WEHS. For dual enrollment programs at the Calvillo CTE Complex or Culinary Arts Center, please contact Rosie C. Perez, Career Development Advisor at 989-6703.



Why the High-Achievers Have Moved to 'Shop' Class

Higher-achieving students are flocking to career-technical-education classes, a new study says, and their participation could help erase the stigma that...

edweek.org

CTE Middle School Courses

Course	TOUCH SYSTEMS DATA ENTRY
Course number	QB1835 and QB1836
Credit	0.5 high school elective credit
Grade level	9 th – 10 th
Description	In Touch System Data Entry, 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 skills for production of business documents
Prerequisites	None

Course	INVESTIGATING CAREERS
Course number	QB5075 AND QB5076
Credit	Middle school elective credit
Grade level	7 TH – 8 TH
Description	The goal of this course is to create a foundation for success in high school, future studies, and careers such as Science, Technology, Engineering, and Mathematics; Business and Industry; Public Service; Arts and Humanities; and Multidisciplinary Studies. The students research labor market information, learn job -seeking skills, and create documents required for employment. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions
Prerequisites	None

Course	DIGITAL DESIGN & MEDIA PRODUCTION
Course number	QX1035 and QX1036
Credit	1.0 high school elective credit
Grade level	9 th – 12 th
Description	Digital Design and Media Production will allow students to demonstrate creative thinking, develop innovative strategies, and use communication tools in order to work effectively with others as well as independently. Students will gather information electronically, which will allow for problem solving and making informed decisions regarding media projects. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will demonstrate a thorough understanding of digital design principles that is transferable to other disciplines.
Prerequisites	None



Level I - College Certificates:

- Voice & Data Technician
- Computer Applications Specialist
- Multimedia Specialist
- Diesel Technology – CTE ECHS
- Combination Welding – CTE ECHS
- Precision Manufacturing – CTE ECHS
- Precision Manufacturing FAST Start – CTE ECHS
- Basic Firefighter

Please see counselor for additional information regarding CTE Level I and II certificates.

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Deprechos Civiles de 1964, según enmienda, el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

CTE Certificate and Licensure Opportunities

Certification	Course Offering Certification	Aligned to a Program of Study	Program of Study Average Salary	Aligned Occupation	Median Salary
Texas State Floral Association Level One Floral Certification	Floral Design	Plant Science	\$42,890	Floral Designers	\$ 24,024
Autodesk Certified Professional or User in AutoCAD	Architectural Design II	Architectural Design	\$59,082	Architects, Except Landscape and Naval	\$ 77,043
NCCER Core Curriculum	Agricultural Mechanics and Metal Technologies, Construction Technology II	All Architecture and Construction Programs of Study	\$49,930	Construction Laborers	\$ 28,787
Adobe Certified Associate (ACA) - Animate (Multiplatform Animations using Adobe Animate CC)	Animation II	Graphic Design and Multimedia Arts	\$52,052	Graphic Designers	\$44,824
Adobe Certified Associate (ACA) - InDesign (Print & Digital Media Publication using Adobe InDesign)	Animation I, Digital Media	Graphic Design and Multimedia Arts	\$52,052	Graphic Designers	\$44,824
Adobe Certified Associate (ACA) - Photoshop (Visual Design using Adobe Photoshop)	Commercial Photography I, Commercial Photography II	Graphic Design and Multimedia Arts	\$52,052	Film and Video Editors	\$47,382
Adobe Certified Associate (ACA) - Premiere Pro (Digital Video using Adobe Premiere Pro)	Audio/Video Production II	Graphic Design and Multimedia Arts	\$52,052	Film and Video Editors	\$47,382
Entrepreneurship and Small Business (ESB)	Entrepreneurship	Entrepreneurship	\$102,801	General and Operations Managers	\$49,109
Intuit QuickBooks Certified User (QBCU)	Accounting I	Accounting and Financial Services	\$74,990	Accountants	\$71,469
Microsoft Office Specialist Excel	Business Information Management I, Business Information Management II, Principles of Information Technology	Business Management	\$76,686	Computer User Support Specialists	\$49,109
Microsoft Office Specialist Word	Business Information Management I, Business Information Management II, Principles of Information Technology	Business Management	\$76,686	Computer User Support Specialists	\$49,109
Certified EKG/ECG Technician	Practicum in Health Science II EKG	Healthcare Diagnostics	\$58,383	Cardiovascular Technologists and Technicians	\$52,104
Certified Nurse Aide/Assistant (CNA)	Practicum in Health Science II CAN	Nursing	\$55,134	Healthcare Practitioners and Technical Workers, All Other	\$46,530
Certified Pharmacy Technician	Practicum in Health Science II	Healthcare Therapeutic	\$89,412	Pharmacy Technicians	\$32,739

Certification	Course Offering Certification	Aligned to a Program of Study	Program of Study Average Salary	Aligned Occupation	Median Salary
ServSafe Manager	Practicum in Culinary Arts	Culinary Arts	\$58,383	Food and Beverage	\$55,619
Community Health Worker Certification	Family and Community Services	Family and Community Services	\$58,383	Social and Community	\$65,146
Cosmetology Operator License	Cosmetology II	Cosmetology and Personal Care Services	\$28,372	Hairdressers, Hairstylists, and Cosmetologists	\$21,507
CompTIA IT Fundamentals+	Computer Maintenance	Information Technology Support and Services	\$58,383	Computer Systems Analysts	\$87,568
Microsoft Technology Associate (MTA) Introduction to Programming Using Java	Computer Programming II	Programming and Software Development	\$122,071	Computer Programming - Programmer General	\$79,893
Microsoft Technology Associate (MTA) Networking Fundamentals	Computer Maintenance	Networking Systems	\$122,071	Computer Network Support Specialists	\$68,037
Microsoft Technology Associate (MTA) Windows Operating System Fundamentals	Computer Maintenance	Information Technology Support and Services	\$93,201	Computer Systems Analysts	\$87,568
Oracle Certified Associate (OCA), JAVA SE 8 Programmer (1Z0-808)	Computer Programming II	Programming and Software Development	\$93,201	Computer Programming - Programmer General	\$79,893
Unity Certified Programmer	Video Game Design	Programming and Software Development	\$122,071	Computer Programming - Programmer General	\$79,893
International Academy of Emergency Dispatch Emergency Telecommunicator	Law Enforcement II	Emergency Services	\$53,919	Police, Fire, and Ambulance Dispatchers	\$35,922
Non-Commissioned Security Officer Level II	Law Enforcement II	Law Enforcement	\$48,057	Correctional Officer and Jailers	\$40,186
AWS D1.1 Structural Steel	Welding I, Welding II	Welding	\$52,910	Welders, Cutters, Solderers,	\$41,350
Certified SolidWorks Associate (CSWA)	Engineering Design and Presentation II	Engineering	\$88,159	Mechanical Engineers	\$91,707
NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Milling: Programming Setup & Operations	Manufacturing Engineering Technology I	Manufacturing Technology	\$52,910	Electrical and Electronics Engineering Technicians	\$60,382
ASE Engine Repair (A1)	Automotive Technology II: Automotive Service	Automotive	\$46,722	Automotive Service Technicians and Mechanics	\$38,459
ASE Brakes (A5)	Automotive Technology I: Maintenance and Light Repair	Automotive	\$46,722	Automotive Service Technicians and Mechanics	\$38,459
ASE Electronic/Electrical Systems (A6)	Automotive Technology II: Automotive Service	Automotive	\$46,722	Automotive Service Technicians and Mechanics	\$38,459
ASE Painting and Refinishing (B2)	Collision Repair, Paint and Refinishing	Automotive	\$46,722	Automotive Body and Related Repairers	\$40,144
ASE Suspension and Steering (A4)	Automotive Technology II: Automotive Service	Automotive	\$46,722	Automotive Service Technicians and Mechanics	\$38,459
FAA (Federal Aviation Administration) Part 107 Remote Drone Pilot	Forensic Science	Flight	\$58,906	Avionics Technicians	\$59,114

NOTE: Occasionally changes occur in course requirements due to action by the Texas Legislature and/or the Texas State Board of Education (SBOE). Your counselor will communicate any changes that are required. Otherwise, you will graduate with the course requirements in place when you entered your first year in high school. In addition, courses in this catalog may not be available on all campuses or may not be offered in a given year.

It is the policy of Weslaco ISD 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 Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, as amended. Es norma del distrito de Weslaco ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda, el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

RGV Lead Scholars Program

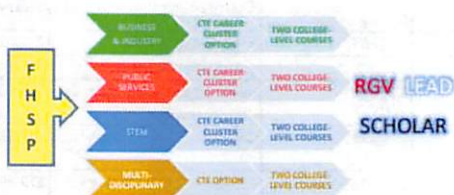
RGVLEAD scholars program

To graduate as an RGV LEAD Scholar, a student must meet all four of these requirements:

1. Complete all courses required for the Foundation High School Program (FHSP).
2. Complete at least one endorsement from a CTE option.
3. Earn an industry-based certificate or license through the selected CTE option or earn a passing grade for at least two college-level courses through the selected CTE option.
4. Complete a declaration of intent to be an RGV LEAD Scholar.



or



what are the requirements

THE FOUNDATION HIGH SCHOOL PROGRAM (FHSP)

English: 4 credits (English I, II, III and one Advanced English course)

Mathematics: 3 credits (Algebra I, Geometry, and one Advanced Math course)

Science: 3 credits (Biology, IPC or Advanced Science, plus one Advanced Science)

Social Studies: 3 credits (U.S. History, U.S. Government (1/2 credit), Economics (1/2 credit) and World Geography, World History, or Combined World History/Geography)

Physical Education: 1 credit

Languages Other Than English: 2 credits

Fine Arts: 1 credit

Electives: 5 credits

COMPLETE AT LEAST ONE ENDORSEMENT FROM CTE OPTION IN:

- Science, Technology, Engineering & Mathematics (STEM)
- Business and Industry
- Public Services or
- Multi-disciplinary

Endorsements vary from school district to school district.

EARN AN INDUSTRY-BASED CERTIFICATE or LICENSE THROUGH SELECTED CTE OPTION or EARN A PASSING GRADE FROM TWO COLLEGE-LEVEL COURSES

Each college-level course must meet all of the following requirements:

- a. Must be a career and technical education course taken for high school credit.
- b. Must be a dual credit course for which the student has earned a passing grade.

who offers scholars program

RGV LEAD Scholars programs are aligned with the Foundation High School Graduation Program and the AchieveTexas program. These school districts are participating:

- **Cameron County:** Brownsville ISD, Harlingen CISD, La Feria ISD, Los Fresnos CISD, Point Isabel ISD, Rio Hondo ISD, San Benito CISD, Santa Maria ISD, Santa Rosa ISD, and South Texas ISD.
- **Hidalgo County:** Donna ISD, Edcouch-Elsa ISD, Edinburg CISD, Hidalgo ISD, La Joya ISD, La Villa ISD, McAllen ISD, Mercedes ISD, Mission CISD, Monte Alto ISD, PSJA ISD, Progreso ISD, Sharyland ISD, Valley View ISD, and Weslaco ISD.
- **Starr County:** Rio Grande City CISD, Roma ISD, and San Isidro ISD.
- **Willacy County:** Lasara ISD, Lyford CISD, Raymondville ISD, and San Perlita ISD.

Check with your high school counselor to see

- which Endorsement(s) are available at your school district
- which certificates qualify as an industry-based certificate or license and
- which of your courses will qualify as college-level courses meeting the requirements for the RGV LEAD Scholars program.

**Pending final review – Sept. 2019*

CTE Agriculture, Food and Natural Resources Cluster

Livestock

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Equine Science <i>and</i> Small Animal Management	Advanced Animal Science or Livestock Production	Advanced Animal Science or Practicum in Ag, Food & Natural Resources or Career Preparation

Plant Science

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Floral Design (Fine Arts Credit)	Turf Grass Management and Landscape Design & Management or Horticulture Science	Horticulture Science or Advanced Plant & Soil Science or Practicum in Ag, Food & Natural Resources or Career Preparation

Agricultural Mechanics

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Ag Mechanics and Metal Technologies	Ag Structures Design & Fabrication	Agricultural Equipment Design & Fabrication or Practicum in Ag, Food & Natural Resources or Career Preparation

Wildlife

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Wildlife, Fisheries and Ecology Management	Food Processing or Range Ecology and Management	Range Ecology and Management or Career Preparation

The Agriculture, Food, and Natural Resources Career Cluster focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Course	PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES
Course number	QA3830
Credit	1.0 elective credit
Grade level	9-12
Description	Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture.
Prerequisites	None

Course	LIVESTOCK PRODUCTION
Course number	QA1830 QA18Y0
Credit	1.0 elective credit
Grade level	10-12
Description	In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources, Equine Science/Small Animal Management

Course	SMALL ANIMAL MANAGEMENT
Course number	QA2936
Credit	0.5 elective credit
Grade level	10-12
Description	In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must 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.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources.

Course	EQUINE SCIENCE
Course number	QW1035
Credit	0.5 elective credit
Grade level	10-12
Description	In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	ADVANCED ANIMAL SCIENCE
Course number	QA1030 QA10Y0
Credit	1.0 science credit
Grade level	11-12
Description	Advanced Animal Science 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. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. By Texas law this course must contain 40 percent lab and field investigations. <i>Note: This course satisfies a science credit requirement for students on the Foundation High School Program.</i>
Prerequisites	<i>Biology and Chemistry or Integrated Physics and Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science or Livestock Production.</i> Recommended Veterinary medical Applications.

Course	WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT
Course number	QA1530
Credit	1.0 elective credit
Grade level	9-12
Description	Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	FLORAL DESIGN
Course number	QW1130
Credit	1.0 fine arts credit
Grade level	9-12
Description	Floral Design 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. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Note: This course satisfies a fine arts credit requirement for students on the Foundation High School Program.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	LANDSCAPE DESIGN AND MANAGEMENT
Course number	QW1336 QW13Y6
Credit	0.5 elective credit
Grade level	10-12
Description	Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must 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.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources, Floral Design, Turf Grass Management

Course	RANGE ECOLOGY AND MANAGEMENT
Course number	QW1730 QW17Y0
Credit	1.0 elective credit
Grade level	10-12
Description	Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.
Prerequisites	Recommended: Principles of Agriculture, Food & Natural Resources, Wildlife, Fisheries & Ecology Management

Course	TURF GRASS MANAGEMENT
Course number	QW1235 QW12Y5
Credit	0.5 elective credit
Grade level	10-12
Description	Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. To prepare for careers in horticultural systems, students must 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.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources, Floral Design

Course	HORTICULTURAL SCIENCE
Course number	QA3130 QA31Y0
Credit	1.0 elective credit

Grade level	10-12
Description	Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must 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.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources, Floral Design, Turf Grass Management, Landscape Design & Management

Course	FOOD PROCESSING
Course number	QW1630 QW16Y0
Credit	1.0 elective credit
Grade level	10-12
Description	Food Processing focuses on the food processing industry with special emphasis on the handling, processing, and marketing of food products. To prepare for careers in food products and processing systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources 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 in a variety of settings.
Prerequisites	Recommended : Principles of Agriculture, Food and Natural Resources, Wildlife, Fisheries and Ecology Management

Course	AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES
Course number	QA1330 QA13Y0
Credit	1.0 elective credit
Grade level	10-12
Description	Agricultural Mechanics and Metal Technologies 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. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.
Prerequisites	Principles of Agriculture, Food, and Natural Resources

Course	ADVANCED PLANT & SOIL SCIENCE
Course number	QW2530 QW25Y0
Credit	1.0 science credit
Grade level	11-12
Description	Advanced 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. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace. Note: This course satisfies a science credit requirement for students on the Foundation High School Program. Note: This course satisfies a science credit requirement for students on the Foundation High School Program
Prerequisites	Recommended: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster

Course	AGRICULTURAL STRUCTURES DESIGN AND FABRICATION
Course number	QW1430 QW14Yo
Credit	1.0 elective credit
Grade level	11-12
Description	In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.
Prerequisites	Recommended: Principles of Agriculture, Food & Natural Resources, Agricultural Mechanics and Metal Technologies

Course	AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION
Course number	QW1930 QW19Yo
Credit	1.0 elective credit
Grade level	11-12
Description	In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication.
Prerequisites	Recommended: Principles of Agriculture, Food & Natural Resources, Agricultural Mechanics and Metal Technologies

Course	PRACTICUM IN AGRICULTURE, FOOD, & NATURAL RESOURCES I
Course number	QA8530 QA85Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Agriculture, Food, and Natural Resources 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 areas of specialized study could include Horticulture, Vet Med, Ag Mechanics. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Course	PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES II
Course number	QA8130 QA81Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Agriculture, Food, and Natural Resources 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.
Prerequisites	Recommended: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Course	CAREER PREPARATION - AG
Course number	QA9530 QA95Yo
Credit	2.0 elective credits
Grade level	11-12

Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II- AG
Course number	QA9630 QA9640
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Architecture and Construction Cluster

Architecture

Year 1	Year 2	Year 3	Year 4
	Architectural Design I	Architectural Design II	Practicum in Architectural Design or Career Preparation

Construction

Year 1	Year 2	Year 3	Year 4
	Principles of Construction	Construction Technology I	Construction Technology II or Practicum in Construction Technology or Career Preparation

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment.

Course	ARCHITECTURAL DESIGN I
Course number	QW2030
Credit	1.0 elective credit
Grade level	10-12
Description	In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.
Prerequisites	Algebra I and English I. Recommended Prerequisites: Geometry

Course	PRINCIPLES OF CONSTRUCTION
Course number	QW3030
Credit	1.0 elective credit
Grade level	9-12

Description	Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment
Prerequisites	None

Course	CONSTRUCTION TECHNOLOGY I
Course number	QW3130 QW31Y0
Credit	2.0 elective credits
Grade level	10-12
Description	In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended
Prerequisites	Recommended: Principles of Construction or Principles of Architecture.

Course	CONSTRUCTION TECHNOLOGY II
Course number	QW3230 QW32Y0
Credit	2.0 elective credits
Grade level	10-12
Description	In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. For safety and liability considerations, limiting course enrollment to 15 students is recommended.
Prerequisites	Construction Technology I

Course	PRACTICUM IN CONSTRUCTION TECHNOLOGY
Course number	QW3830 QW38Y0
Credit	2.0 elective credits
Grade level	12
Description	In Extended Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.
Prerequisites	Construction Technology II; Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing Technology I; or Mill and Cabinetmaking Technology.

Course	ARCHITECTURAL DESIGN II
Course number	QW2130 QW21Y0 QW21D0
Credit	2.0 elective credits
Grade level	12
Description	In Extended Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.
Prerequisites	Architectural Design I or Advanced Interior Design and Geometry. Recommended Prerequisites: Principles of Architecture and Principles of Construction

Course	PRACTICUM IN ARCHITECTURAL DESIGN
---------------	--

Course number	QW2230 QW22Yo QW22Do
Credit	2.0 elective credits
Grade level	12
Description	In Extended Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.
Prerequisites	Architectural Design II

Course	CAREER PREPARATION I
Course number	QT9530 QT95Yo
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	Recommended: Construction technology I & II or Architectural Design II

Course	CAREER PREPARATION II
Course number	QT9630 QT96Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Arts, Audio/Video Technology, and Communications Cluster

Video Production

Year 1	Year 2	Year 3	Year 4
	Principles of Arts, A/V Technology & Communications	Audio Video Production I w/Lab	Audio/Video Production II w/Lab or Practicum in Audio Video Production I or Career Preparation

Video Game Design

Year 1	Year 2	Year 3	Year 4
Principles of Arts, A/V Technology & Communications	Animation I or Graphic Design & Illustration I	Animation II or Graphic Design & Illustration II	Video Game Design

Commercial Photography

Year 1	Year 2	Year 3	Year 4
--------	--------	--------	--------

	Principles of Arts, A/V Technology & Communications	Commercial Photography I w/Lab	Commercial Photography II w/Lab or Practicum in Commercial Photography
--	---	--------------------------------	--

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.

Course	PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS
Course number	QT5030
Credit	1.0 elective credit
Grade level	9
Description	The goal of this course is for 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.
Prerequisites	None

Course	ANIMATION I
Course number	QW4030
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Art I or Principles of Art, Audio/Video Technology, and Communications

Course	ANIMATION II
Course number	QW4230 QW42Yo
Credit	1.0 elective credit
Grade level	11-12
Description	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.
Prerequisites	Animation I Recommended: Principles of Information Technology

Course	VIDEO GAME DESIGN
Course number	QW4430 QW44Yo
Credit	1.0 elective credit
Grade level	9-12
Description	Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology, and Communications, Animation II or Graphic Design & Illustration II, Animation I or Graphic Design & Illustration I

Course	AUDIO/VIDEO PRODUCTION I
Course number	QW4630 QW46Y0
Credit	2.0 (1 blk) elective credits
Grade level	9-12
Description	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 products.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology, and Communications.

Course	AUDIO/VIDEO PRODUCTION II
Course number	QW4730 QW47Y0
Credit	2.0 (1 blk) elective credits
Grade level	10-12
Description	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. This course may be implemented in an audio format or a format with both audio and video.
Prerequisites	Audio/Video Production I Recommended: Principles of Arts, Audio/Video Technology & Communications

Course	PRACTICUM IN AUDIO/VIDEO PRODUCTION I
Course number	QW4830 QW48Y0
Credit	2.0 elective credits
Grade level	11-12
Description	Building upon the concepts taught in Audio/Video Production II, 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 products in a professional environment.
Prerequisites	Audio/Video Production II and Audio/Video Production II Lab

Course	PRACTICUM IN AUDIO/VIDEO PRODUCTION II
Course number	QT6130
Credit	2.0 elective credits
Grade level	11-12
Description	Building upon the concepts taught in Practicum Audio/Video Production II 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 products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities
Prerequisites	Audio/Video Production II and Audio/Video Production II Lab

Course	GRAPHIC DESIGN AND ILLUSTRATION I
Course number	QW4130
Credit	2.0 (1 blk) elective credits
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology, and Communications

Course	GRAPHIC DESIGN AND ILLUSTRATION II
Course number	QW4330 QW43Yo
Credit	2.0 (1 blk) elective credits
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology & Communications, Graphic Design and Illustration I or Graphic Design and Illustration I/Lab

Course	PROFESSIONAL COMMUNICATIONS
Course number	QF1335 and QF1336 QF13D5 and QF13D6
Credit	0.5 elective credit
Grade level	9-12
Description	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.
Prerequisites	None

Course	COMMERCIAL PHOTOGRAPHY I
Course number	QW3430 QW34Yo
Credit	2.0 (1 blk) elective credit
Grade level	9-12
Description	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 commercial photography industry with a focus on creating quality photographs. Districts are encouraged to offer this lab in a consecutive block with Commercial Photography I to allow students sufficient time to master the content of both courses.
Prerequisites	Recommended: Principles of Arts, Audio/Video Production & Communications

Course	COMMERCIAL PHOTOGRAPHY II
Course number	QW3530 QW35Yo
Credit	2.0 (1 blk) elective credit
Grade level	10-12
Description	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 commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.
Prerequisites	Commercial Photography I

Course	PRACTICUM IN COMMERCIAL PHOTOGRAPHY
Course number	QW4530 QW45Yo
Credit	2.0 (1 blk) elective credit
Grade level	10-12
Description	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 commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.
Prerequisites	Commercial Photography I or Commercial Photography I/Lab

Course	PRACTICUM IN COMMERCIAL PHOTOGRAPHY II
Course number	QW6530 QW65Y0
Credit	2.0 (1 blk) elective credit
Grade level	10-12
Description	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 commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs
Prerequisites	Commercial Photography I or Commercial Photography I/Lab

Course	CAREER PREPARATION
Course number	QT9530 QT95Y0
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QT9630 QT96Y0
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Business Management and Administration Cluster

Multimedia Specialist Certificate (South Texas College)

Year 1	Year 2	Year 3	Year 4
Principles of Business, Marketing & Finance	Business Information I	Business Information Management II (MM)	Digital Media (MM) or Career Preparation

Computer Applications Specialist (South Texas College)

Year 1	Year 2	Year 3	Year 4
Principles of Business, Marketing & Finance	Business Information I	Business Information Management II (CA)	Digital Media (CA) or Career Preparation

Business

Year 1	Year 2	Year 3	Year 4
--------	--------	--------	--------

Principles of Business, Marketing & Finance	Business Information I	Entrepreneurship	Practicum in Business Management or Career Preparation
--	---------------------------	------------------	--

The Business Management and Administration Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Course	PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE
Course number	QB1230
Credit	1.0 elective credit
Grade level	9-11
Description	In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the 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
Prerequisites	None

Course	BUSINESS INFORMATION MANAGEMENT I
Course number	QB6030
Credit	1.0 elective credit
Grade level	9-12
Description	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.
Prerequisites	Recommended: Touch Systems Data Entry

Course	BUSINESS INFORMATION MANAGEMENT II (Multimedia)
Course number	QB1530 QB65Do
Credit	1.0 elective credit
Grade level	10-12
Description	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
Prerequisites	Business Information Management I Recommended: Touch Systems Data Entry

Course	BUSINESS INFORMATION MANAGEMENT II (Computer Applications)
Course number	QB1530 QB55Do
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Business Information Management I Recommended: Touch Systems Data Entry

Course	DIGITAL & INTERACTIVE MEDIA (Computer Applications)
Course number	QW4930 QW49Yo QW49Do
Credit	1.0 elective credit
Grade level	10-12
Description	In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.
Prerequisites	Recommended: Business Information Management I and II

Course	DIGITAL & INTERACTIVE MEDIA (Multimedia)
Course number	QW5030 QW50Yo QW50Do
Credit	1.0 elective credit
Grade level	10-12
Description	In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.
Prerequisites	Recommended: Business Information Management I and II

Course	ENTREPRENEURSHIP
Course number	QM1030 QM10Yo QM10Do
Credit	1.0 elective credit
Grade level	10-12
Description	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
Prerequisites	None Recommended: Principles of Business, Marketing, & Finance, Business Information Management I

Course	PRACTICUM IN BUSINESS MANAGEMENT
Course number	QB8530 QB85Yo QB85Do
Credit	2.0 elective credit
Grade level	11-12
Description	Practicum in Business Management 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. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. 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.
Prerequisites	Recommended: Touch System Data Entry and Business Management or Business Information Management II

Course	CAREER PREPARATION
Course number	QB9030 QB90Y0
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QB9130 QB91Y0
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Education and Training Cluster

Education & Training

Year 1	Year 2	Year 3	Year 4
Principles of Education & Training	Human Growth & Development	Child Development or Instructional Practices	Practicum in Education & Training or Career Preparation

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services.

Course	PRINCIPLES OF EDUCATION AND TRAINING
Course number	QE3030
Credit	1.0 elective credit
Grade level	9-10
Description	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.
Prerequisites	None

Course	HUMAN GROWTH AND DEVELOPMENT
Course number	QE7030
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Education and Training

Course	CHILD DEVELOPMENT
Course number	QE1030 QE10Y0
Credit	1.0 elective credit
Grade level	10-12
Description	Child Development is a technical laboratory course that 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 to the care and education of children.
Prerequisites	None Recommended: Principles of Human Services.

Course	INSTRUCTIONAL PRACTICES
Course number	QW5130 QW51Y0
Credit	2.0 elective credits
Grade level	11-12
Description	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.
Prerequisites	Recommended: Principles of Education, Human Growth and Development

Course	PRACTICUM IN EDUCATION AND TRAINING
Course number	QE6430 QE64Y0
Credit	2.0 elective credits
Grade level	12
Description	This course is a continuation of the teacher education program. 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.
Prerequisites	Instructional Practices

Course	CAREER PREPARATION
Course number	QE9030 QE90Y0
Credit	2.0 elective credits

Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QE9130 QE91Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Finance Cluster

Accounting

Year 1	Year 2	Year 3	Year 4
Principles of Business, Marketing & Finance	Business Information Management I	Accounting I	Accounting II or Career Preparation

The Finance Career Cluster focuses on planning, services for financial and investment planning, banking, insurance, and business financial management.

Course	Principles of Business, Marketing & Finance
Course number	QB1230
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	None

Course	ACCOUNTING I
Course number	QB3730 QB37Yo QB37Yo
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Business, Marketing, and Finance

Course	ACCOUNTING II
Course number	QB4030 QB40Yo QB40Do

Credit	1.0 mathematics credit
Grade level	11-12
Description	In Accounting II, students will 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 will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources. Note: This course satisfies a math credit requirement for students on the Foundation High School Program
Prerequisites	Accounting I

Course	CAREER PREPARATION
Course number	QB9030 QB90Y0
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QB9130 QB91Y0
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Government and Public Administration Cluster

The Government and Public Administration Career Cluster focuses on planning and performing governmental functions at the local, state, and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

CTE Health Science Cluster

Certificate in Emergency Medical Technician at CTE Early College High School through South Texas College

The Emergency Medical Technology program will prepare students to deliver out-of-hospital emergency care at the scene of an accident or a medical emergency. EMTs typically serve as vital members of the Emergency Medical Services team who can, with competence, use their medical skills to relieve suffering, reduce injury severity, and prevent death

Certified Nurse Aide – C.N.A.

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Health Science Theory	Practicum in Health Science I-Clinical Rotations or Medical Terminology or Anatomy & Physiology or Pathophysiology or Medical Microbiology	Practicum in Health Science II – C.N.A.

Pharmacy Technician

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Health Science Theory	Pharmacology and/or Medical Terminology and/or Mathematics for Medical Professionals and/or Practicum in Health Science Clinical Rotations	Practicum in Health Science II – Pharmacy Technician and Anatomy & Physiology

Electrocardiogram – EKG

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Health Science Theory	Medical Terminology and/or Anatomy & Physiology or Practicum in Health Science – Clinical Rotations	Practicum in Health Science II – EKG - Electrocardiogram

Medical Billing & Coding

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Health Science Theory	Practicum in Health Science I – Clinical Rotations or Medical Terminology or Health Informatics or Anatomy & Physiology	Practicum in Health Science II – Medical Billing & Coding

Health Science Professional

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Health Science Theory	Anatomy & Physiology or Forensic Science or Practicum in Health Science I – Clinical Rotations	Medical Terminology or Medical Microbiology or Pathophysiology or Forensic Science or Career Preparation

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.

Course	PRINCIPLES OF HEALTH SCIENCE
Course number	QH1030
Credit	1.0 health credit
Grade level	9-10
Description	Principles of Health Science 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.
Prerequisites	None

Course	MEDICAL TERMINOLOGY
Course number	QW5230 QW52Y0
Credit	1.0 elective credit
Grade level	9-12
Description	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
Prerequisites	Recommended: Principles of Health Science

Course	HEALTH SCIENCE THEORY
Course number	QW5630
Credit	1.0 health credit
Grade level	11-12

Description	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.
Prerequisites	Biology

Course	PRACTICUM IN HEALTH SCIENCE I – Clinical Rotations
Course number	QH8030 QH80Y0
Credit	2.0 elective credits
Grade level	11-12
Description	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
Prerequisites	Health Science Theory and Biology Recommended: Principles of Health Science

Course	PRACTICUM IN HEALTH SCIENCE II – Certified Nurse Aide (C.N.A.)
Course number	QH8130 QH81Y0
Credit	2.0 elective credits
Grade level	11-12
Description	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.
Prerequisites	Health Science Theory and Biology Recommended: Principles of Health Science.

Course	PRACTICUM IN HEALTH SCIENCE II – Pharmacy Technician
Course number	QH8230 QH82Y0
Credit	2.0 elective credits
Grade level	11-12
Description	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
Prerequisites	Health Science Theory and Biology. Recommended: Principles of Health Science.

Course	PRACTICUM IN HEALTH SCIENCE II – EKG - Electrocardiogram
Course number	QH8730 QH87Y0
Credit	2.0 elective credits
Grade level	11-12
Description	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
Prerequisites	Health Science Theory and Biology Recommended: Principles of Health Science.

Course	PRACTICUM IN HEALTH SCIENCE II – Medical Billing & Coding
--------	--

Course number	QH8430 QH84Yo
Credit	2.0 elective credits
Grade level	11-12
Description	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.
Prerequisites	Health Science Theory and Biology Recommended: Principles of Health Science.

Course	ANATOMY AND PHYSIOLOGY
Course number	QH1130 QH11Yo
Credit	1.0 science credit
Grade level	10-12
Description	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. Texas law requires at least 40 percent lab and field investigations. Note: This course satisfies a science credit requirement for students on the Foundation High School Program
Prerequisites	Biology and a second science credit. Recommended: One course from Health and Science Career Cluster.

Course	MEDICAL MICROBIOLOGY
Course number	QW5330 QW53Yo
Credit	1.0 science credit
Grade level	10-12
Description	Medical Microbiology is designed to explore the microbial world, studying topics such as pathogenic and non- pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Texas law requires at least 40 percent lab and field investigations. Note: This course satisfies a science credit requirement for students on the Foundation High School Program
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	PATHOPHYSIOLOGY
Course number	QW5430 QW54Yo
Credit	1.0 science credit
Grade level	11-12
Description	The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will 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. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	PHARMACOLOGY
Course number	QW5530 QW55Yo
Credit	1.0 elective credit
Grade level	11-12

Description	Pharmacology is designed to provide an introduction to the rapidly changing pharmaceutical industry. Students learn how natural and synthetic chemical agents in drugs affect biological systems such as the human body, animal testing, and the environment in a therapeutic and nontherapeutic way.
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	HEALTH INFORMATICS
Course number	QW5830 QW58Yo
Credit	1.0 elective credit
Grade level	11-12
Description	The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems.
Prerequisites	Business Management I and Medical Terminology

Course	BIOTECHNOLOGY I
Course number	QW3330 QW33Yo
Credit	1.0 science credit
Grade level	11-12
Description	In Biotechnology I, students will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Note: This course satisfies a science credit requirement for students on the Foundation High School Program
Prerequisites	Biology. Recommended: Chemistry, and Principles of Biosciences

Course	MATHEMATICS FOR MEDICAL PROFESSIONALS
Course number	QW5730 QW57Yo
Credit	1.0 mathematics credit
Grade level	11-12
Description	The Mathematics for Medical Professionals course is designed to serve as the driving force behind the Texas essential knowledge and skills for mathematics, guided by the college and career readiness standards. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions. Note: This course satisfies a math credit requirement for students on the Foundation High School Program
Prerequisites	Geometry and Algebra II

Course	CAREER PREPARATION
Course number	QH9530 QH95Yo
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QH9630 QH96Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Hospitality and Tourism Cluster

Culinary Arts

Year 1	Year 2	Year 3	Year 4
	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts or Practicum in Culinary Arts or Career Preparation

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services as well as lodging, attractions, recreation events, and travel-related services.

Course	INTRODUCTION TO CULINARY ARTS
Course number	QW6030
Credit	1.0 elective credit
Grade level	9-10
Description	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.
Prerequisites	None

Course	CULINARY ARTS
Course number	QE25Yo QE25Do
Credit	2.0 elective credits
Grade level	10-12
Description	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 or other appropriate industry certification.
Prerequisites	Recommended: Introduction to Culinary Arts

Course	ADVANCED CULINARY ARTS
Course number	QW2330 QW23Yo QW23Do
Credit	2.0 elective credits

Grade level	10-12
Description	Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.
Prerequisites	Culinary Arts

Course	PRACTICUM IN CULINARY ARTS
Course number	QE8530 QE85Y0 QE85Do
Credit	2.0 elective credits
Grade level	11-12
Description	This course is a continuation of Culinary Arts. This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with laboratory-based actual business and industry career experiences.
Prerequisites	Culinary Arts

Course	CAREER PREPARATION
Course number	QT9530 QT95Y0
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	CAREER PREPARATION II
Course number	QT9630 QT96Y0
Credit	2.0 elective credits
Grade level	11-12
Description	Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.
Prerequisites	Career Preparation I

CTE Human Services Cluster

Human Services- WHS

Year 1	Year 2	Year 3	Year 4
Principles of Human Services	Human Growth & Development	Child Development or Lifetime Nutrition & Wellness and Dollars & Sense	Family & Community Services or Child Guidance or Career Preparation

Human Services- WEHS

Year 1	Year 2	Year 3	Year 4
	Principles of Human Services	Lifetime Nutrition & Wellness and Dollars & Sense or Family & Community Services	Practicum in Human Services or Career Preparation

Cosmetology

Year 1	Year 2	Year 3	Year 4
		Cosmetology I & Lab	Cosmetology II & Lab

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Course	PRINCIPLES OF HUMAN SERVICES
Course number	QE1330
Credit	1.0 elective credit
Grade level	9-12
Description	Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.
Prerequisites	None

Course	DOLLARS AND SENSE
Course number	QW6235 and QW6236 QW62Y5 and QW62Y6
Credit	0.5 elective credit
Grade level	11-12
Description	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.
Prerequisites	Recommended: Principles of Human Services

Course	LIFETIME NUTRITION AND WELLNESS
Course number	QW6135 and QW6136 QW61Y5 and QW61Y6
Credit	0.5 elective credit
Grade level	9-12
Description	Lifetime Nutrition and Wellness is a laboratory course that 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.
Prerequisites	Recommended: Principles of Human Services, Principles of Hospitality or Principles of Health Science

Course	CHILD DEVELOPMENT
Course number	QE1030 QE10Y0
Credit	1.0 elective credit
Grade level	10-12
Description	This technical laboratory course addresses knowledge and skills related to a technical laboratory course that 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 to the care and education of children.
Prerequisites	Recommended: Principles of Human Services

Course	FAMILY AND COMMUNITY SERVICES
Course number	QW6330 QW63Y0
Credit	1.0 elective credit
Grade level	10-12

Description	Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.
Prerequisites	Recommended: Principles of Human Services

Course	CHILD GUIDANCE
Course number	QE2130
Credit	2.0 elective credit
Grade level	10-12
Description	Child Guidance is a technical laboratory course that 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. Instruction may be delivered through school -based laboratory training or through work -based delivery arrangements such as cooperative education, mentoring, and job shadowing.
Prerequisites	Recommended: Principles of Human Services , Recommended Co-requisite: Child Development

Course	PRACTICUM IN HUMAN SERVICES
Course number	QF8130 QF81Yo
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Human Services provides background knowledge and occupation-specific training that 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
Prerequisites	None

Course	CAREER PREPARATION
Course number	QE9030 QE90Yo
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

Course	COSMETOLOGY I
Course number	QE1630 QE16Yo
Credit	3.0 elective credits
Grade level	10-11
Description	In Cosmetology I, 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 (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and

	skills expectations, and development of workplace skills are included.
Prerequisites	None

Course	COSMETOLOGY II
Course number	QW0230 QW02Y0
Credit	3.0 elective credits
Grade level	11-12
Description	In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills.
Prerequisites	Cosmetology I

CTE Information Technology Cluster

Information Technology & Cyber Security

Year 1	Year 2	Year 3	Year 4
Principles of Information Technology	Computer Maintenance	Networking	Computer Technician Practicum or Career Preparation

Game Art & Design

Year 1	Year 2	Year 3	Year 4
Principles of Information Technology	Animation I	Web Technologies	Video Game Design or Career Preparation

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Course	PRINCIPLES OF INFORMATION TECHNOLOGY
Course number	QT4630
Credit	1.0 elective credit
Grade level	9-10
Description	In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.
Prerequisites	None

Course	COMPUTER MAINTENANCE
Course number	QT2230
Credit	1.0 elective credit
Grade level	10-12

Description	In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will 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 related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.
Prerequisites	Recommended: Principles of Information Technology

Course	NETWORKING
Course number	QW6730 QW67Yo QW67Do
Credit	1.0 elective credit
Grade level	10-12
Description	In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices 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.
Prerequisites	Recommended: Principles of Information Technology and Computer Maintenance

Course	COMPUTER TECHNICIAN PRACTICUM I
Course number	QW6830 QW68Yo QW68Do
Credit	2.0 elective credits
Grade level	11-12
Description	Students gain knowledge and skills in 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. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both
Prerequisites	Recommended: Principles of Information Technology, Computer Maintenance, Networking

Course	DIGITAL MEDIA
Course number	QW4930-CA (Computer Applications) QW49Yo-CA QW49Do-CA QW5030-MM (Multimedia) QW50Yo-MM QW50Do-MM
Credit	1.0 elective credit
Grade level	9-12
Description	In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.
Prerequisites	None

Course	WEB TECHNOLOGIES
Course number	QT8530 QT85Yo
Credit	1.0 elective credit

Grade level	10-12
Description	In Web Technologies, students will learn to make informed decisions and apply the decisions to the field of IT. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.
Prerequisites	Recommended: Principles of Information Technology

Course	ANIMATION I
Course number	QW4030
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Art I, Principles of Art, Audio/Video Technology and Communications, Principles of Information Technology

Course	VIDEO GAME DESIGN I
Course number	QW4430 QW44Y0
Credit	1.0 elective credit
Grade level	10-12
Description	Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.
Prerequisites	Recommended: Principles of Information Technology

Course	CAREER PREPARATION
Course number	QT9530 QT95Y0
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

CTE Law, Public Safety, Corrections, and Security Cluster

60-Hour Associate's Degree in Criminal Justice at CTE-Early College High School through South Texas College

Criminal Justice careers can encompass a variety of jobs. The employment possibilities within the traditional police courts and corrections areas are being expanded with opportunities in private business. From police officers to private detectives, youth care workers to security guards, these people help our society run smoothly and within the realms of the law. Graduates of a criminal justice program find employment opportunities in law enforcement at the federal, state and local level, adult and juvenile correctional facilities, community correctional programs, child advocacy, juvenile agencies, victim advocacy, protective services and other service agencies.

Criminal Justice - WHS

Year 1	Year 2	Year 3	Year 4
Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	Court Systems & Practices or Criminal Investigations	Law Enforcement II or Federal Law Enforcement & Protective Services and Forensic Science or Career Preparation

Criminal Justice - WEHS

Year 1	Year 2	Year 3	Year 4
	Principles of Law, Public Safety, Corrections & Security and Law Enforcement I	Court Systems & Practices and Criminal Investigations	Law Enforcement II and/or Federal Law Enforcement & Protective Services and/or Forensic Science or Career Preparation

The Law, Public Safety, Corrections, and Security Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services.

Course	PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY P
Course number	QL3530
Credit	1.0 elective credit
Grade level	9-12
Description	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.
Prerequisites	None.

Course	LAW ENFORCEMENT I
Course number	QL4530 QL45Do
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security

Course	LAW ENFORCEMENT II
Course number	QL3430 QL34Yo

	QL34Do
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Law Enforcement I

Course	FORENSIC SCIENCE
Course number	QL963o QL96Yo
Credit	1.0 science credit
Grade level	11-12
Description	Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.
Prerequisites	Biology and Chemistry Recommended or Corequisite: Any Law, Public Safety, Corrections, and Security Career Cluster course.

Course	CRIMINAL INVESTIGATIONS
Course number	QW7o3o QW7oYo QW7oDo
Credit	1.0 elective credit
Grade level	10-12
Description	Criminal Investigation is a course that introduces students to the profession of criminal investigations by introducing students will understand basic functions of criminal investigations and procedures how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence and other types of evidence.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security

Course	COURT SYSTEMS AND PRACTICES
Course number	QL333o QL33Yo
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Law Enforcement I

Course	FEDERAL LAW ENFORCEMENT AND PROTECTIVE SERVICES
--------	---

Course number	QW6930 QW69y0 QW69Do
Credit	1.0 elective credit
Grade level	10-12
Description	Federal Law Enforcement and Protective Services provides the knowledge and skills necessary to prepare for certification in security services for federal law enforcement and protective 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, to ensure computer security, to provide information assurance, and to prevent cybercrime
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security

Course	PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
Course number	QL8030 QL80Yo
Credit	2.0 elective credits
Grade level	11-12
Description	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.
Prerequisites	None

Course	CAREER PREPARATION
Course number	QT9530 QT95Yo
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

CTE Manufacturing Cluster

60 Hour Associate's Degree in Advanced Manufacturing Technology at CTE ECHS – through South Texas College

The Advanced Manufacturing Technology program is the first in the State of Texas to earn NIMS accreditation. The program provides an environment to develop technical skills that are highly marketable to the area's industries. Most of the courses are set up to simulate actual working environments.

60 Hour Associate's Degree in Welding Technology at CTE ECHS – through South Texas College

The Welding Technology Program will prepare students for entry level positions. Students will learn four processes (Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, Flux Cored Arc Welding). Students will perform fillet and V-groove welds in the Flat, Horizontal, Vertical and Overhead positions. Students will gain knowledge in Lay-out and Fabrication as well as blueprint reading, safety and metallurgy. Graduate candidates will be eligible to take a welding performance qualification test in accordance with American Welding Society (AWS) standards, as used in industry.

Welding Technology

Year 1	Year 2	Year 3	Year 4
	Introduction to Welding	Welding I	Welding II or Practicum in Manufacturing or Career Preparation

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering

Course	INTRODUCTION TO WELDING
Course number	QW7330
Credit	1.0 elective credit
Grade level	9-12
Description	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. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. 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 will prepare students for future success.
Prerequisites	Recommended: Algebra I

Course	WELDING I
Course number	QW7430 QW74Yo QW74Do
Credit	2.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Algebra 1, Introduction to Welding

Course	WELDING TECHNOLOGY II
Course number	QW7530 QW75Yo QW75Do
Credit	2.0 elective credit
Grade level	11-12
Description	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.
Prerequisites	Recommended : Introduction to Welding, Welding I

Course	PRACTICUM IN MANUFACTURING
Course number	QW71Yo
Credit	2.0 elective credit
Grade level	12
Description	The Practicum in Manufacturing course 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.
Prerequisites	Recommended: Welding I and II

Course	CAREER PREPARATION
Course number	QT9530

	QT95Yo
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation I 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.
Prerequisites	None

CTE Marketing Cluster

The Marketing Career Cluster focuses on planning, managing, and performing marketing activities to reach organizational objectives.

Marketing at Weslaco High School

Year 1	Year 2	Year 3	Year 4
Business Information Technology I or Principles of Business, Marketing & Finance	Business Information Management I and Principles of Business, Marketing & Finance	Social Media Marketing/Sports & Entertainment Marketing OR Entrepreneurship or Fashion Marketing/Advertising	Advanced Marketing or Practicum in Marketing or Career Preparation

Marketing at Weslaco East High School

Year 1	Year 2	Year 3	Year 4
	Business Information Management I and Principles of Business, Marketing & Finance	Entrepreneurship	Social Media Marketing/Sports & Entertainment Marketing and/or Fashion Marketing/Advertising or Career Preparation

Course	ENTREPRENEURSHIP
Course number	QM1030 QM10Yo QM10Do
Credit	1.0 elective credit
Grade level	10-12
Description	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.
Prerequisites	Recommended: Principles of Business, Marketing and Finance

Course	SOCIAL MEDIA MARKETING
Course number	Qw7635 QW76Y5
Credit	.5 elective credit
Grade level	9-12
Description	Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts
Prerequisites	Recommended: Principles of Business, Marketing and Finance or any Marketing course

Course	Sports & Entertainment Marketing
Course number	QW7236 QW72Y6
Credit	.5 elective credit
Grade level	9-12
Description	Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.
Prerequisites	Recommended: Principles of Business, Marketing and Finance

Course	Fashion Marketing
Course number	QW7835 QW78Y5 QW78D5
Credit	.5 elective credit
Grade level	9-12
Description	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.
Prerequisites	Recommended: Principles of Business, Marketing and Finance

Course	Advertising
Course number	QW7736 QW77Y6 QW77D6
Credit	.5 elective credit
Grade level	9-12
Description	Advertising 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, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.
Prerequisites	Recommended: Principles of Business, Marketing and Finance

Course	Advanced Marketing
Course number	QW7930 QW79Y0 QW79D0
Credit	2.0 elective credit
Grade level	11-12
Description	In Advanced Marketing, students will 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 solve problems related to marketing. This course covers technology, communication, and customer-service skills.
Prerequisites	One credit from the courses in the Marketing Career Cluster. Recommended: Practicum in Marketing

Course	Practicum in Marketing
--------	------------------------

Course number	QW8o3o QW8oYo QW8oDo
Credit	2.0 elective credit
Grade level	11-12
Description	Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will 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 will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.
Prerequisites	Recommended: Principles of Business, Marketing & Finance

Course	CAREER PREPARATION
Course number	QB9o3o, QB9oYo, QB913o, QB91Yo,
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation 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.
Prerequisites	None

CTE Science, Technology, Engineering and Mathematics (STEM) Cluster

Engineering

Year 1	Year 2	Year 3	Year 4
	Principles of Applied Engineering	Engineering Design & Problem Solving	Engineering Design & Presentation or Practicum in Science, technology, Engineering & Mathematics

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Course	PRINCIPLES OF APPLIED ENGINEERING
Course number	QW813o
Credit	1.0 elective credit
Grade level	9-10
Description	Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will understand the various fields of engineering and will be able to make informed career decisions. 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..
Prerequisites	None

Course	ENGINEERING DESIGN AND PRESENTATION I
Course number	QW82Y6
Credit	1.0 elective credit
Grade level	10-12
Description	Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process 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.
Prerequisites	Algebra 1 Recommended: Principles of Applied Engineering

Course	ENGINEERING DESIGN AND PRESENTATION II
Course number	QW8330 QW83Y0
Credit	2.0 elective credit
Grade level	10-12
Description	Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process 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. Emphasis will be placed on using skills from ideation through prototyping.
Prerequisites	Algebra 1 and Geometry Recommended: Principles of Applied Engineering or Engineering Design & Presentation I

Course	ENGINEERING DESIGN AND PROBLEM SOLVING
Course number	QS60Y5
Credit	1.0 Science credit
Grade level	11-12
Description	The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process 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. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.
Prerequisites	Algebra 1 and Geometry Recommended: TWO Science, Technology Engineering & Mathematics Career Cluster CREDITS

Course	ENGINEERING MATHEMATICS
Course number	QS1230 QS12Y0
Credit	1.0 mathematics credit
Grade level	11-12

Description	Engineering Mathematics is a course where students solve and model design problems. Students will use a variety of mathematical methods and models to represent and analyze problems that represent a range of real-world engineering applications such as robotics, data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and computer programming. This course satisfies a high school mathematics graduation requirement. Note: This course satisfies a math credit requirement for students on the Foundation High School Program.
Prerequisites	Algebra II

Course	SCIENTIFIC RESEARCH AND DESIGN I, II or III
Course number	QS1030, QS10Yo QS1130, QS11Yo QS1380
Credit	1.0 science credit
Grade level	11-12
Description	Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. These components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Students may take this course with different course content for a maximum of three credits. Note: This course satisfies a science credit requirement for students on the Foundation High School Program
Prerequisites	Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics

Course	PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS S
Course number	QT3230 QT32Yo
Credit	2.0 elective credits
Grade level	12
Description	Practicum in STEM 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
Prerequisites	Algebra I and Geometry. Recommended: Two Science, Technology, Engineering & Mathematics (STEM) Cluster Credits

Course	CAREER PREPARATION
Course number	QB9030, QB90Yo, QB9130, QB91Yo,
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation 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.
Prerequisites	None

CTE Transportation, Distribution, and Logistics Cluster

Automotive Technology

Year 1	Year 2	Year 3	Year 4
--------	--------	--------	--------

	Energy and Power of Transportation Systems	Automotive Technology I – Maintenance & Light Repair	Automotive Technology II – Automotive Service or Practicum in Transportation Systems or Career Prep
--	--	--	---

Collision Repair

Year 1	Year 2	Year 3	Year 4
	Energy and Power of Transportation Systems	Collision Repair	Paint & Refinishing or Career Preparation or Practicum in Transportation Systems

Diesel Technology Associate's Degree – CTE Early College High School through South Texas College

The Diesel Technology industry is a rapidly growing industry which is requiring a growing number of qualified technicians. The Diesel Technology student will acquire the knowledge and skills necessary for the repair of diesel engines, electrical and electronic control systems, hydraulic systems, air brakes, suspension, steering, and transmissions through a combination of lecture and lab work, to include troubleshooting and diagnostic procedures

The Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Course	ENERGY AND POWER OF TRANSPORTATION SYSTEMS
Course number	QT0130
Credit	1.0 elective credit
Grade level	10-12
Description	Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, including engines, transmissions, brakes, fuel, cooling, and electrical. Students will also need to understand the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure.
Prerequisites	None

Course	AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR
Course number	QW8430 QW84Yo QW84Do
Credit	2.0 elective credits
Grade level	9-12
Description	Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow 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 safety, tool identification, proper tool use, and employability
Prerequisites	Recommended: Energy & Power of Transportation Systems

Course	AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE
Course number	QW8530 QW85Yo QW85Do
Credit	2.0 elective credits

Grade level	11-12
Description	Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow 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 safety, tool identification, proper tool use, and employability
Prerequisites	Automotive Technology I: Maintenance and Light Repair

Course	COLLISION REPAIR
Course number	QT1030 QT10Yo QT10Do
Credit	2.0 elective credits
Grade level	10-12
Description	Collision Repair includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing
Prerequisites	Recommended: Energy & Power of Transportation Systems
Course	PAINT AND REFINISHING
Course number	QW8730 QW87Yo QW87Do
Credit	2.0 elective credits
Grade level	10-12
Description	Paint and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive paint and refinishing.
Prerequisites	Collision Repair

Course	PRACTICUM IN TRANSPORTATION SYSTEMS
Course number	QT8830 QT88Yo QT88Do
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Transportation Systems 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. The Practicum can be either school lab based or worked based.
Prerequisites	Recommended: Automotive Technology II- Automotive Service or Paint & Refinishing

Course	CAREER PREPARATION
Course number	QB9030, QB90Yo, QB9130, QB91Yo,
Credit	2.0 elective credits
Grade level	12
Description	Career Preparation 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.
Prerequisites	None