

West Oso High School

Academic Planning Guide



Personalization, Trust, and Collaboration

2020-2021

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WEST OSO INDEPENDENT SCHOOL DISTRICT

5050 Rockford Drive
Corpus Christi, Texas 78416
361-806-5900

Conrado Garcia
Superintendent

January 15, 2020

Dear Parents,

Greetings from Bear Nation! Our mission as a school district is to provide our students with an exemplary college preparatory education to prepare them for college, career and life. For the 2020-21 school year, West Oso High School will offer many course options for our students and we encourage each of them to maximize their academic potential by enrolling in rigorous and challenging courses to best prepare them for graduation and post-high school endeavors. Using critical resources that will give every student equitable opportunities to succeed, I am grateful for the time and effort our counselors, coordinators and administrators have invested in developing this catalog.

As parents, your student is certain to find opportunities and experiences that will surpass those of previous generations. It is essential that they develop the knowledge and skills that will propel them toward their aspirations and dreams. As they advance in their journey of learning, you have a critical role in helping your student makes wise decisions regarding high school course selections. We ask that you familiarize yourself with our Course Catalog so that these decisions will prepare your student to be Future Ready! If you have any questions or concerns, we urge you to contact teachers, counselors or administrators at the campus.

As students, these courses are created to help you discover and realize your potential as a thinker and a learner. Because you are living and learning in a dynamic and exciting time, your selection of courses will determine the direction of your life after graduation. I ask that you strive to become collaborators, critical thinkers, problem solvers, communicators, and most important, seekers of knowledge. Challenge yourself and develop new insights and prospects for your future. Remember, good choices combined with hard work, diligence, and commitment will result in a prosperous future. We are here to support and encourage you in this exciting adventure of learning. I wish the very best in your school career.

Sincerely,

Conrado Garcia
Superintendent of Schools
West Oso ISD

*Personalization. Collaboration. Trust.
Every Student. Every Hour. Every Day.*

WEST OSO INDEPENDENT SCHOOL DISTRICT

Board of Trustees

Cella Boyd – Board President
Rose Soto – Board Vice-President
Velma Rodriguez – Board Secretary
Liz Gutierrez ~ Board Trustee
Shirley Jordan ~ Board Trustee
Lonie Alexander ~ Board Trustee
Oscar Arredondo ~ Board Trustee

District Administration

Superintendent of Schools
Conrado Garcia

Assistant Superintendent
Curriculum & Instruction and Human Resources
Dr. Cissy Perez

Assistant Superintendent
Business, Finance, and School Operations
David Palacios

Executive Director of Special Education and Student Services
RJ Alvarado

Campus Administration

Principal
Terry Avery

Assistant Principal
Dana Moore

Early College Coordinator
Rhonda Garcia

Counselor
Melissa Jimenez

Instructional Facilitator
Diane Clayton

WEST OSO INDEPENDENT SCHOOL DISTRICT



DISTRICT MISSION STATEMENT

Vision: Embrace real world education to ensure self-reliant and socially responsible citizens.

Mission: Enrich and build a progressive school community through relevant and diverse opportunities. Students will explore and identify career interests and pathways

CORE VALUES

Excellence: Achieving your highest performance level

Integrity: A value system which embraces ethics, strong moral principles, honest, character, and trustworthiness

Leadership: Being the guiding force which influences others while building capacity to reach a common vision

Success: Consistently overcoming challenges through perseverance to achieve desired goals

Collaboration: Working with an open mind to achieve consensus for a common purpose

PUBLIC NOTIFICATION OF NONDISCRIMINATION

It is the policy of West Oso ISD not to discriminate on the basis of race, color, national origin, sex, age 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.

West Oso ISD will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

NOTIFICACIÓN PÚBLICA DE NO DISCRIMINAR

Es política de West Oso ISD no discriminar por motivos de raza, color, origen, nacional, sexo, edad, 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.

West Oso ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua ingles no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

GRADUATION PROGRAM CHECKLIST

8TH Grade

- ✓ Review choices offered under the Foundation High School Program and the Endorsements to decide on your future academic path.
- ✓ Select the endorsement that best suits your area of personal interest and the major you plan to study in college.
- ✓ Recognize that most college entrance requirements include rigorous advanced courses including Algebra II, higher-level science courses and languages other than English.

9TH & 10TH Grade

- ✓ Monitor high school credits; be sure to meet all local and state requirements by the end of the senior year.
- ✓ Take dual enrollment or Advanced Placement courses if possible to earn college credit while still in high school.
- ✓ Keep list of awards, honors and extracurricular activities for scholarship and college applications.
- ✓ Research colleges or universities you are interested in attending. Check admission and application requirements & timelines.
- ✓ Explore interests and take advantage of Career Day opportunities.
- ✓ Attend college nights hosted by your high school. Talk with school representatives about the types of financial aid available.
- ✓ Take the Preliminary SAT/National Merit Scholarship Qualifying Test in your sophomore year for practice. In your junior year, take the PSAT for eligibility for the National Merit Scholarship Competition.
- ✓ Students who take the PSAT or ACT's PLAN tend to score higher on the SAT or ACT than those who do not.

11TH & 12TH Graders

- ✓ Take dual enrollment or Advanced Placement courses if possible to earn college credit while you are still in high school.
- ✓ Check with your counselor's office to learn about available scholarships. Be sure to apply early and for as many scholarships as possible. Do not limit yourself to local scholarships.
- ✓ Consider taking SAT/ACT preparation classes. Sign up and take the ACT and/or SAT test, preferably in your junior year but no later than the fall of your senior year.
- ✓ Fill out the FAFSA (Free Application for Federal Student Aid) early in the spring of your senior year.
- ✓ Apply to college during the fall of your senior year.

CAREER CHECKLIST

If you are considering going straight into the workforce or into a technical training program following graduation, you still need to complete your high school education and earn a high school diploma.

While in high school, you will want to:

- ✓ Look at the five endorsements offered under the Foundation High School Program.
- ✓ Determine your area of interest.
- ✓ Complete your selected endorsement along with the required foundation program to earn your high school diploma.
- ✓ Learn about available jobs, and any required post-high school or technical training.
- ✓ Explore new career opportunities.
- ✓ Research wage and occupation information, required levels of education and training requirements.
- ✓ Discover your interests and abilities; use labor market resources at www.texasrealitycheck.com/ and at www.texasworkforce.org/customers/jsemp/career-exploration-trends.html
- ✓ Research which jobs are among the fastest and most in-demand in Texas at www.texascaresonline.com/hotshots/hotshotslists.asp

Community College & Career Schools

- ✓ Find training and certifications for specific occupations or skills through community colleges or career schools and colleges at www.texasworkforce.org/svcs/propschools/career-schools-colleges.html.

ACADEMIC INFORMATION

At West Oso High School student registration for the 2020-2021 academic school year will take place the spring of the current year. It is very important that students give serious consideration to the next year's class requests. The course information catalog has been prepared so students and parents may select courses for the coming school year. West Oso High School offers an academically-challenging and well-rounded educational program, with a variety of options enabling students to complete appropriate courses aligned with their graduation plan.

Academic information, course descriptions, and graduation requirements are included. Graduation requirements are based on the State of Texas' Foundation High School Program and vary depending on the personal graduation plan selected. Please refer to the charts in this catalog for more detailed information regarding graduation plans and class sequencing.

COURSE SELECTIONS

At West Oso High School, students and parents are responsible for selecting a graduation endorsement plan and for choosing appropriate courses to satisfy the requirements of that plan. Individual student's future career, college, and personal goals should be considered when choosing an endorsement and classes in which to satisfy the graduation plan. With this in mind, students' course selections should be consistent with their four-year plans and provide for a coherent sequence of courses which will best prepare them for their life's goals. The Counseling Department will advise and review course selections and personal graduation plans with students and parents through the end of the semester. Parents are encouraged to make appointments with the student's counselor to discuss the course selections and graduation plans.

SCHEDULE CHANGES

In the fall, prior to the beginning of school, course selections will be converted into the students' course schedules. The master schedule will reflect each of teachers' assignments and the students' course listings/rosters. **Once the official schedules are run, no changes will be made unless the change is requested within the first ten school days of a semester.** Should space be available, change of schedules require parent's permission, teacher approval (for Band, JROTC, Athletics, One Act Play, etc.), counselor's review of graduation plans, and/or principal's approval of the recommended changes.

Student or parent initiated schedule changes will be considered only if requested during the **first ten (10) school days** the class meets and if the student has previously failed a course with a teacher to whom he/she has been assigned. Changes in schedules may also be made for classes which have insufficient student enrollment or where there are irresolvable conflicts. If a student is registered for a class in which (s)he has previously received credit, then changes will be made to correct such occurrences. **Requests for schedule changes after the tenth day due to extenuating circumstances must be reviewed by the counselor and approved by the principal.**

ALTERNATIVE METHODS FOR EARNING CREDIT

Correspondence Courses: All high school students are eligible to take correspondence courses and earn credit toward graduation. Courses are available through Texas Tech University ISD (www.depts.ttu.edu/ttuisd). Counselors have specific information regarding all correspondence courses. Limitations on correspondence courses:

- Prior to enrollment, a student must make a written request to the principal or designee for approval to enroll in the course.
- Credit toward graduation may not be awarded if approval was not granted in writing prior to enrollment.

Online Classes/Distance Learning: Students must request online/distance learning courses from their counselors and complete the contract. Courses may be used for credit recovery or credit acceleration. Students will be enrolled as soon as the online contract is completed. Per Board policy, in order to receive credit, a student shall obtain approval from the principal or designee prior to enrollment into the course. **Counselors have a list of online course offerings.**

Credit by Examination: A student who has received prior instruction in a course or subject, but did not receive credit for the course may be permitted to earn credit by passing an exam on the essential knowledge and skills defined for the course. Eligibility for credit by examination must be determined by a designated district official, the principal, and/or the attendance committee. To receive credit, a student must score at least 70 on the exam. In other instances, the district administration will determine if any opportunity for credit by exam will be offered. The attendance review committee may offer a student with excessive absences an opportunity to earn credit for a course by passing an exam. A student may not use this exam, however, to regain eligibility to participate in extracurricular activities. For further information, see the counselor.

The grade level or classification of the student depends upon the number of state credits that students have earned. Classification is made on the following basis:

Freshman	0 – 5.5 credits
Sophomore	6 credits
Junior	12 credits
Senior	18+ credits

ATTENDANCE POLICY (LEGAL)

All Absences Considered	In order to receive credit or a final grade for a class, a student is required to attend class 90 percent of the days class is offered regardless of whether the student's absences are excused [see FEA] or unexcused. <i>Atty. Gen. Op. JC-0398 (2001)</i>
90 Percent Rule	Except as provided below, a student in any grade level from kindergarten through grade 12 shall not be given credit or a final grade for a class unless the student is in attendance 90 percent of the days the class is offered. This restriction does not affect a student's right to excused absences to observe religious holy days [see FEA] and does not apply to a student who receives credit by examination for a class as provided by Education Code 28.023. [See EHDC]
Principal's Plan	A student who is in attendance for at least 75 percent but less than 90 percent of the days a class is offered may be given credit or a final grade if the student completes a plan approved by the school's principal that provides for the student to meet the instructional requirements of the class. However, a student under the jurisdiction of a court in a criminal or juvenile justice proceeding may not receive credit or a final grade without the consent of the judge presiding over the student's case.
Extenuating Circumstances	<p>An attendance committee may give class credit or a final grade to a student because of extenuating circumstances. The Board shall establish guidelines for determining what constitutes extenuating circumstances.</p> <p>The Board shall adopt policies that establish alternative ways for students to make up work or regain credit or a final grade lost because of absences. The alternative ways must include at least one option that does not require a student to pay a fee. The availability of such option must be substantially the same as the availability of the educational program for which the District may charge a fee. [See FP]</p>
Attendance Committee	The Board shall appoint one or more attendance committees to hear petitions for class credit or a final grade by students who have not met the 90 percent rule and have not earned class credit or a final grade by completing a principal's plan. Classroom teachers shall comprise a majority of the attendance committee.
Appeal	If the committee denies a student credit or a final grade, the student may appeal the decision to the Board. The Board's decision may be appealed to the district court of the county in which the District's central administrative office is located.
Additional Duties	<p>A certified employee may not be assigned additional instructional duties as a result of the above provision outside of the regular</p> <p>workday unless the employee is compensated for the duties at a reasonable rate of pay.</p>

Education Code 25.092

ATTENDANCE POLICY (LOCAL)

West Oso ISD
178915

ATTENDANCE
ATTENDANCE FOR CREDIT

FEC
(LOCAL)

	<p>This policy shall apply to a student who has not been in attendance for 90 percent of the days the class is offered.</p>
Consideration of All Absences	<p>All absences shall be considered in determining whether a student has attended the required percentage of days under this policy.</p>
Attendance Committees	<p>The Board shall establish an attendance committee or as many committees as necessary for efficient implementation of Education Code 25.092.</p> <p>The Superintendent or designee shall make the specific appointments in accordance with legal requirements.</p>
Parental Notice Of Excessive Absences	<p>A student and the student's parent or guardian shall be given written notice prior to and at such time when a student's attendance in any class drops below 90 percent of the days the class is offered. When a student's attendance drops below 90 percent of the days the class is offered, the student, parent, or representative may request award of credit or a final grade by submitting a written petition to the appropriate attendance committee.</p> <p>Petitions for credit or a final grade may be filed at any time the student receives notice but, in any event, no later than 30 days after the last day of classes.</p> <p>The attendance committee shall review the student's entire attendance record and the reasons for absences and shall determine whether to award credit or a final grade. The attendance committee may also, whether a petition is filed or not, review the records of all students whose attendance drops below 90 percent of the days the class is offered.</p> <p>Students who have lost credit or have not received a final grade because of excessive absences may regain credit or be awarded a final grade by fulfilling the requirements established by the attendance committee.</p>
Personal Illness	<p>When a student's absence for personal illness exceeds three consecutive days, the principal or attendance committee may require that the student present a statement from a physician or health clinic verifying the illness or condition that caused the student's extended absence from school as a condition of classifying the absence as one for which there are extenuating circumstances.</p> <p>If a student has established a questionable pattern of absences, the principal or attendance committee may require that a student present a physician's or clinic's statement of illness after a single day's absence as a condition of classifying the absence as one for which there are extenuating circumstances.</p>

**Guidelines on
Exenuating
Circumstances**

The attendance committee shall adhere to the following guidelines to determine attendance for award of credit or a final grade:

- | | |
|------------------------------------|---|
| Days of Attendance | 1. If makeup work is completed satisfactorily, excused absences that are allowed under compulsory attendance requirements shall be considered days of attendance for award of credit or final grade. [See FEA(LEGAL) at EXCUSED ABSENCES FOR COMPULSORY ATTENDANCE DETERMINATIONS.] |
| Transfers / Migrant Students | 2. A transfer or migrant student incurs absences only after his or her enrollment in the District. |
| Documentation | 3. The committee shall consider the acceptability and authenticity of documented reasons for the student's absences. |
| Consideration of Control | 4. The committee shall consider whether the absences were for reasons out of the student's or parent's control. |
| Student's Academic Record | 5. The committee shall consider whether or not the student has completed assignments, mastered the essential knowledge and skills, and maintained passing grades in the course or subject. |
| Information from Student or Parent | 6. The student or parent shall be given an opportunity to present any information to the committee about the absences and to discuss ways to earn or regain credit or be awarded a final grade. |
| Best Interest Standard | In reaching consensus regarding a student's absences, the committee shall attempt to ensure that its decision is in the best interest of the student. The Superintendent or designee shall develop administrative regulations addressing the committee's documentation of the decision. |

**Imposing Conditions
for Awarding Credit
or a Final Grade**

The committee may impose any of the following conditions for students with excessive absences to regain credit or be awarded a final grade:

1. Completing additional assignments, as specified by the committee or teacher.
2. Attending tutorial sessions as scheduled, which may include Saturday classes or before- and after-school programs.
3. Maintaining the attendance standards for the rest of the semester.
4. Taking an examination to earn credit. [See EHDB]
5. Attending a flexible school day program.
6. Attending summer school.

In all cases, the student must also earn a passing grade in order to receive credit.

Appeal Process

A parent or student may appeal the decision of the attendance committee in accordance with FNG(LOCAL).

FOUNDATION GRADUATION PROGRAM

The program contains up to four parts:

- A 22-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement* options that allow students to focus on a related series of courses
- A higher performance category called Distinguished Level of Achievement
- Performance Acknowledgments that note outstanding achievement

The Foundation requirements (22 credits) include:

English (4 credits)

- English I
- English II
- English III
- An advanced English course

Mathematics (3 credits)

- Algebra I
- Geometry
- An advanced math course

Science (3 credits)

- Biology
- Integrated Physics & Chemistry or an advanced science course
- An advanced science course

Social Studies (3 credits)

- World History or World Geography
- U.S. History
- U.S. Government (one-half credit)
- Economics (one-half credit)

Languages Other Than English (2 credits)

- 2 credits in the same language or
- 2 credits from Computer Science I, II, III

Physical Education (1 credit)

Fine Arts (1 credit)

Electives (5 credits)

Speech: Demonstrated proficiency

Endorsements: A student entering the 9th grade must choose an endorsement he or she plans to follow. A student may change or add an endorsement at any time. Total credits with endorsements 26.

A student may graduate without earning an endorsement if, after his or her sophomore year, the student's parent signs a form permitting the student to omit the endorsement requirement.

Distinguished Level of Achievement:

Additionally, a student may earn the Distinguished Level of Achievement and/or a Performance Acknowledgment for outstanding performance. The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10 percent automatic admission law.

Distinguished Level of Achievement

- Foundation Program requirements
- 4 credits in math including Algebra II
- 4 credits in science
- at least 1 endorsement

Performance Acknowledgments

- PSAT, ACT's Plan, SAT or ACT
- Advanced Placement or International Baccalaureate exam
- earning a nationally or internationally recognized business or industry certification or license
- bilingualism and biliteracy
- dual credit course



WEST OSO HIGH SCHOOL ENDORSEMENT PLANS



Arts & Humanities Endorsement

Art

Band

Theater

Choir

Spanish

Business & Industry Endorsement

Arts. Audio/Video
Technology &
Communication

Business Management
& Administration

Manufacturing:
Welding
Pipefitting
Plumbing
Automotive Technology

Public Service Endorsement

JROTC

Education & Training

Health Science

STEM Endorsement (Science, Technology, Engineering & Math)

Process Technology

Engineering

Multidisciplinary Endorsement

Four Credits in each of
the Foundation Areas

Advance Placement:
US History AP
World History AP
Spanish Language AP
English Language AP

Foundation Graduation Plan

The 22 Credits which make up the Foundation Plan come from:

- * Biology & two additional Sciences
- * Algebra I, Geometry, & one Advanced Math
- * Physical Education
- * Fine Arts
- * English I, English II, English III, and one Advanced English
- * World Geography or World History, US History, & Government/Economics
- * Five Electives

**Foundation
Graduation Plan**

+

Endorsement

+

**Distinguished Level
of Achievement**

4 English
ELA 1, 2, 3
Advanced English

3 Mathematics
Algebra I, Algebra
II, Geometry

3 Science
IPC, Biology,
Chemistry

3 Social Studies
W. History, US History,
Gov't, Eco

2 (years) Languages
Other than English

1 Physical Education

1 Fine Arts

5 Electives

22 Credits



**ARTS AND
HUMANITIES**

-1 ADV Math or CTE Math
-1 ADV Science or CTE Science
-2 Electives

1
Endorsement



**BUSINESS AND
INDUSTRY**

-1 ADV Math or CTE Math
-1 ADV Science or CTE Science
-2 Electives

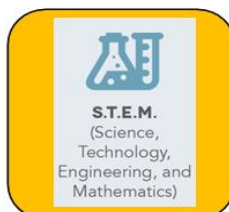
4 Science Credits
+
3rd Foreign
Language
+
Algebra II



**PUBLIC
SERVICES**

-1 ADV Math or CTE Math
-1 ADV Science or CTE Science
-2 Electives

Performance
Acknowledgments
- 12 hours of Dual
Credit with a 3.0 GPA
- Receiving an
Associates Degree
- Exited a Bilingual
Program with
Advanced High on
TELPAS
- Score 1250 on SAT
- Score 28 on ACT
- Earning a business or
industry certification
or license



S.T.E.M.
(Science,
Technology,
Engineering, and
Mathematics)

-1 ADV Math or CTE Math
-1 ADV Science or CTE Science
-2 Electives



**MULTI-
DISCIPLINARY**

- 1 ADV Math or CTE Math
- 1 ADV Science or CTE Science
- 2 Electives

26 Credits

Personal Graduation Plan Student Planning Checklist Overview

Student Name _____ ID _____ Expected Graduation Date _____

Endorsement Selected: ☐ STEM ☐ Business and Industry ☐ Arts and Humanities ☐ Public Services

☐ Multi-Disciplinary Studies

Foundation Plan – 22 Credits

English Language Arts – 4 Credits

English I _____
English II _____
English III _____
English IV _____

Mathematics – 3 Credits

Algebra I _____
Algebra II _____
Geometry _____

Social Studies – 3 Credits

World Geo. _____
World History _____
US History _____
Government _____
Economics _____

Science – 3 Credits

IPC _____
Biology _____
Chem. _____
Ad. Sci. _____

Foreign Language or Substitute – 2 Credits

Year 1: _____
Year 2: _____

Fine Arts – 1 Credit

Physical Education – 1 Credit

PE: _____

Electives – 5 Credits

Endorsements – 26 Credits

STEM

Adv. Math _____
Adv. Science _____

Business and Industry

Adv. Math _____
Adv. Science _____

Arts and Humanities

Adv. Math _____
Adv. Science _____

Public Services

Adv. Math _____
Adv. Science _____

Multidisciplinary Studies

Adv. Math _____
Adv. Science _____

Distinguished – 26 Credits

Algebra II (must be one of the student's math credits)

STAAR EOC Checklist

English I _____
English II _____
Algebra I _____
US History _____
Biology _____

Plans for the Future

Student Goals

Testing

PLAN _____
PSAT _____
SAT _____
ACT _____

College Readiness - TSI

Math _____
Reading _____
Writing _____

College Preparatory Courses

Math _____
Reading _____
Writing _____

Post-Secondary Applications

DMC _____
Lone Star _____
Apply TX App _____
Common App _____
Mil. Recruiter _____
Tech. School _____

Financial Aid

FAFSA/TAFSA _____
Scholarships _____

GRADUATION PLANS

SUBJECT AREA	FOUNDATION HIGH SCHOOL PLAN (FHSP)	FHSP WITH ENDORSEMENT	FHSP WITH ENDORSEMENT & PERFORMANCE ACKNOWLEDGEMENT
English	4	4	4
Mathematics	3	4	4
Science	3 One of the Science credits must be Biology	4 One of the Science credits must be Biology	4 One of the Science credits must be Biology
Social Studies	3 Must include US History, Gov't, Eco, and either W. History or W. Geography	3 Must include US History, Gov't, Eco, and either W. History or W. Geography	3 Must include US History, Gov't, Eco, and either W. History or W. Geography
Languages Other than English	2 Level I & II of the same language	2 Level I & II of the same language	2 Level I & II of the same language
Fine Arts	1	1	1
Speech	NA	NA	NA
Physical Education	1	1	1
Electives	5	7	7
Total	22	26	26 Plus add'l measures

The FHSP are minimum requirements to graduate from a Texas High School. Students may opt to graduate on these plans after their 16th birthday and completion of 10th grade – if approved by parents and school officials.

Grade Weighted Courses

The District shall categorize and weight eligible courses as Level III, Level II, and Level I in accordance with provisions of this policy and as designated in appropriate District publications. Eligible AP and dual credit courses shall be categorized and weighted as Level III courses. Eligible Pre-AP, craft, and vocational courses shall be categorized and weighted as Level II courses. All other eligible courses shall be categorized and weighted as Level I courses.

The District shall convert semester grades earned in eligible courses to grade points and shall calculate a weighted GPA in accordance with the following chart:

Grade	Level III	Level II	Level I
100	7.0	6.0	5.0
90	6.0	5.0	4.0
80	5.0	4.0	3.0
71	4.1	3.1	2.1
70	4.0	3.0	2.0
60	3.0	2.0	
59	0	0	

Grade Weighted Courses

English I Pre-AP
English II Pre-AP
English III- AP English Language and Composition
English IV- AP English Literature
English 1301-Composition 1
English 1302- Composition 2
English 2322- British Literature 1
English 2323- British Literature II

Algebra I- Pre-AP
Algebra II- Pre-AP
Geometry- Pre-AP
Math 1314- College Algebra
MATH 1324- Business Math
Math 1316- Plane Trigonometry
Math 1342- Elementary Statistical Measurements

Biology Pre-AP
Biology AP
Biology 1308
Biology 1309
Biology 1408
Biology 1409
Chemistry Pre-AP
Physics Pre-AP
Engineering 1201

World Geography Pre-AP
World History- Pre-AP
World History- AP
US History 1301
US History 1302
US History AP
Government 2305
Government 2306
Government AP
General Psychology 2301
Principles of Macroeconomics 2301
Business 1301
Accounting 1303
CRIJ 1306
CRIJ 1310
CRIJ 1313

Spanish I- Pre-AP
Spanish II- Pre-AP
Spanish III- Pre-AP
Spanish IV- AP Language and Culture
SPAN 1411- Beginning Spanish I
Spanish 1412- Beginning Spanish II

Welding 1323- Introduction to Welding
Welding 1407- Welding I
Welding 1521- Welding II

Arts 1301- Art and Society
Kine 1238- Introduction to Physical Fitness
Kine 1306- First Aid
SOC 1301- Introduction to Sociology
SOC 1306
SPCH 1311- Introduction to Speech
Communication
PHIL 2306- Introduction to Ethics
SCIT 1318-Applied Physics
SCIT 1414- Applied General Chemistry
TECA 1354 Child Growth and Development

PTAC 1302- Introduction to Process Technology
PTAC 1308- Safety, Health, & Environment
PTAC 2314- Principles of Quality
PTAC 1410- Process Technology I
PTAC 1332- Process Instrumentation
PTAC 1354- Industrial Process

Certified Nursing Assistant
EKG Technician
Phlebotomy Technician
Patient Care Technician

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

English I – Modified <i>Students will take English I EOC based on ARD decision</i> This course develops basic reading and writing skills and focuses on appropriate oral and written communication. English I emphasize the development of vocabulary, word skills, and comprehensions skills, and the ability to apply reading skills for daily living in the home and in other practical situations. <i>Modified to meet each student's individual IEP.</i> ARD Committee approval	03220107	Grade Level: 9 Credit(s): 1 College Hour(s): N/A Prerequisite: ARD Committee Approval
English I <i>Students will take English I EOC</i> This course focuses on the writing process and the reinforcement of basic grammar skill. Reading selections include drama, poetry, prose and fiction. Vocabulary study based on college entrances tests will be taught.	03220100	Grade Level: 9 Credit(s): 1 College Hour(s): N/A Prerequisite: None
English I Pre-AP <i>Students will take English I EOC</i> This course is for those students who excel in language arts. In addition to the material covered in English I, problem solving techniques will be emphasized as will opportunity for the development of higher level thinking skills. Students will study vocabulary based on college entrance tests. This course is intended to foster student responsibility for serious scholarship by providing opportunities to work at a pre-college level and to prepare for future AP classes.	03220100	Grade Level: 9 Credit(s): 1 College Hour(s): N/A Prerequisite: None
English I (ESOL) <i>Students will take English I EOC</i> English ESL I focus is on the writing process and the reinforcement of basic grammar skills through the use of ESL strategies for second language learners. Reading selections include drama, poetry, and prose fiction. Vocabulary study based on texts will be taught. This course provides work on oral listening skills and assists ELL students in acquiring vocabulary, writing, and comprehension of English skills.	03200600	Grade Level: 9 Credit(s): 1 College Hour(s): N/A Prerequisite: Counselor Approval
Research & Technical Writing Students use the writing process and available technology to produce a variety of written communications especially those used in professional settings such as business letters, applications, resumes, and inquiries. The conventions of written language are employed to produce error-free writing appropriate for audience and purpose. Students will evaluate their own writing as well as that of others.	03221100	Grade Level: 9 Credit(s): 1 College Hour(s): N/A Prerequisite: Counselor Approval
English II – Modified <i>Students will take English II EOC based on ARD decision</i> This course develops basic reading and writing skills and focuses on appropriate oral and written communication. English II Modified emphasizes the development of vocabulary, word skills, and comprehensions skills, and the ability to apply reading skills for daily living in the home and in other practical situations. <i>Modified to meet each student's individual IEP.</i> ARD Committee approval	03220207	Grade Level: 10 Credit(s): 1 College Hour(s): N/A Prerequisite: ARD Committee Approval

English II <i>Students will take the English II EOC</i>	03220200	Grade Level: 10 Credit(s): 1 College Hour(s): N/A Prerequisite: English I
English II is designed to emphasize the fundamentals of language skills: reading, writing, speaking, listening, viewing, and presenting. Students will study world literature by genre and by theme. Instruction in vocabulary and composition will be an on-going part of this course. This course will include the study of literary and informational texts with a focus on: fiction, nonfiction, drama, media literacy and poetry. Students will work daily to develop critical reading and writing skills in all genres with an emphasis in persuasive writing. Students will read and write on a daily basis.		
English II Pre-AP <i>Students will take the English II EOC</i>	03220200	Grade Level: 10 Credit(s): 1 College Hour(s): N/A Prerequisite: English I Pre-AP
English II Pre-AP is the study of world literature by genre and by theme. Extensive writing, reading and independent research projects prepare students for the skills necessary for success in Advanced Placement English courses. The curriculum incorporates some additional materials and primarily employs higher-level thinking skills and problem-solving strategies.		
English II ESL <i>Students will take the English II EOC</i>	03200700	Grade Level: 10 Credit(s): 1 College Hour(s): N/A Prerequisite: English I ESL
English II ESL includes a review of basic grammar and paragraph writing through the use of ESL strategies for second language learner. The writing of longer compositions will be taught in addition to poetry, one novel, a variety of short stories, and a Shakespearian tragedy. Vocabulary study will be based on the texts for the course. This course provides work on oral listening skills and assists the ELL student in acquiring vocabulary, writing and comprehension of English skills.		
English III	03220300	Grade Level: 11 Credit(s): 1 College Hour(s): N/A Prerequisite: English II
This course includes a review of grammar, longer composition writing, a research paper, selected novels and plays, plus an overview of American Literature from the seventeenth century to the present. Vocabulary study based on college entrance test will be taught.		
English III – AP English Language & Composition	03220300	Grade Level: 11 Credit(s): 1 College Hour(s): N/A Prerequisite: English II Pre-AP
This course provides a study of language arts at a more challenging level than a regular English course. This course is equivalent to an introductory college English course and college level material will be used in the instruction of this subject. Genres studied include poetry, drama, novels, as well as composition test is given at the end of the course. Sophisticated, mature texts will be assigned for both summer and school year reading.		
English IV	03220400	Grade Level: 12 Credit(s): 1 College Hour(s): N/A Prerequisite: English III
This course will provide students with advanced writing skills and a survey of the major authors of British and Western European literature. Vocabulary study based on college entrance test will be taught.		
College Prep English Course		Grade Level: 12 Credit(s): 1 College Hour(s): N/A Prerequisite: English III
Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. To learn to integrate reading and		

writing, students will use an inquiry approach to analyze, synthesize, and make value judgments regarding text and writing. This course is designed to prepare students for college-level reading and writing intensive courses. Successful completion of this course grants the student an exemption to TSI requirements for reading and writing at the partnering institution(s).

English IV – AP English Literature	03220400	Grade Level: 12 Credit(s): 1
This course includes a review of grammar, paragraph writing, and the short story. In addition, new genres will be introduced (poetry, drama, novels) as well as composition writing, two research papers and higher level thinking skills. Vocabulary will be introduced with each literary unit, and incorporated in writing. The College Board English AP literature and composition test is given at the end of the course. Sophisticated, mature texts will be assigned for both summer and school year reading.		College Hour(s): N/A Prerequisite: English III AP
Journalism	03230100	Grade Level: Credit(s):
Students are introduced to multiple facets of journalism including graphic design while learning journalistic writing style through writing news, human interest stories and opinion pieces.		
ENGL 1301 Composition I	03220300 or 03220400	Grade Level: 11 Credit(s): ½
Semester 1: English 1301 is a grammar and composition course. It will introduce you to the basics of writing, the various formats of the essay, analysis of writing techniques, and the principles behind correct grammatical usage. You will also learn to read more critically analytically. Use of the computer to complete writing assignments is required. Must meet Del Mar College's admission requirements. Satisfies English IV, Semester 1 graduation requirement.		College Hour(s): 3 Prerequisite: DMC Admission
ENGL 1302 Composition II	03220300 or 03220400	Grade Level: 11 - 12 Credit(s): ½
Semester 2: English 1302 is a continuation of the writing skills you learned in 1301. There is an emphasis placed on the essay form, but these are used in the context of literature. You will understand the basic genres of literatures--Prose, poetry, and drama--and apply the writing process and analytically and critically to this work. Must meet Del Mar College's admission requirements. Satisfies English IV, Semester 2 graduation requirement.		College Hour(s): 3 Prerequisite: DMC Admission
ENGL 2322 British Literature I – English IV Semester 1	03220400	Grade Level: 12 Credit(s): ½
Survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic and cultural contexts. Texts will be selected from a diverse group of authors and traditions.		College Hour(s): 3 Prerequisite: ENGL 1301
ENGL 2323 British Literature II – English IV Semester 2	03220400	Grade Level: 12 Credit(s): ½
Survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical, linguistic and cultural contexts. Texts will be selected from a diverse group of authors and traditions.		College Hour(s): 3 Prerequisite: ENGL 1301

SPEECH

Professional Communications

13009900

Grade Level: 9 - 12

Credit(s): ½

Students identify, analyze, develop and evaluate communication skills needed for work-related and social success in group interactions, interpersonal situations, and personal and work-related presentations. Students study the importance of effective communications skills and the components, standards, and characteristics of oral and nonverbal communications.

College Hour(s): N/A

Prerequisite: None

MATHEMATICS

Strategic Learning for High School Mathematics

N1110030

Grade Level: 9

Credit(s): 1

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts.

College Hour(s): N/A

Prerequisite: Teacher Recommendation

Algebra I – Modified

03100507

Grade Level: 9

Credit(s): 1

Students will take the Algebra I EOC according to ARD committee

The purpose of Algebra I is to acquaint students with some of the fundamental properties of the real number system, to give them practice in deductive reasoning, introduce algebraic notation and graphing, begin a study of linear and nonlinear relations, and apply algebraic manipulations to solve equations, inequalities, and word stated problems. Students are required to take the STAAR EOC Algebra I state assessment.

College Hour(s): N/A

Prerequisite: None

**Modified to meet each student's individual IEP. ARD Committee approval*

Algebra I

03100500

Grade Level: 8 - 9

Credit(s): 1

Students will take the Algebra I EOC

The purpose of Algebra I is to acquaint students with some of the fundamental properties of the real number system, to give them practice in deductive reasoning, introduce algebraic notation and graphing, begin a study of linear and nonlinear relations, and apply algebraic manipulations to solve equations, inequalities, and word stated problems. Students are required to take the STAAR EOC Algebra I state assessment.

College Hour(s): N/A

Prerequisite: None

Algebra I - Pre-AP

03100500

Grade Level: 9

Credit(s): 1

Students will take the Algebra I EOC

Algebra I Pre –AP presents the foundation concepts for high school mathematics. Algebra I Pre-AP includes abstract thinking, symbolic reasoning, function concepts, and skills to solve a variety of equations and inequalities. This course provides an in-depth study of Algebra I, along with the complexities of the subject.

College Hour(s): N/A

Prerequisite: None

Algebra II	03100600	Grade Level: 10 - 11 Credit(s): 1
The students will review, refine, and extend the concepts and techniques of Algebra I and Geometry. It develops advanced skills in algebraic operations, while examining systems of quadratic equations and the complex number system. It presents concepts of Algebra and Geometry as related to conical, linear, polynomial, exponential, logarithmic, and trigonometric functions. It integrates technology for problem solving.		College Hour(s): N/A Prerequisite: Algebra I
Algebra II – Pre-AP	03100600	Grade Level: 10 - 11 Credit(s): 1
This course develops advanced skills in algebraic operations, while examining systems of quadratic equations and the complex number system. Algebra II Pre-AP emphasizes mathematical structure, precise language, and an analytical approach in the study of the complex number system; conical, linear, polynomial, exponential, logarithmic, and trigonometric functions. It integrates technology for problem solving.		College Hour(s): N/A Prerequisite: Algebra I
Geometry	03100700	Grade Level: 9 - 10 Credit(s): 1
Geometry conveys an introduction to the basic structure of geometry (formula proofs with a stress on developing concepts and application of theorems. Concepts of space geometry are integrated with plane geometry. Algebraic skills are reviewed and strengthened. Area, volume, construction, and trigonometry are included.		College Hour(s): N/A Prerequisite: Algebra I
Geometry - Pre-AP	03100700	Grade Level: 9 - 10 Credit(s): 1
Geometry Pre-AP develops advanced skills in algebraic operations, while examining systems of quadratic equations and the complex number system. It includes the study of plane and spatial relationships, synthetic and coordinate geometry, and the development of geometry as a structured mathematics system, with formal geometric proofs requiring considerable mathematical insight. It emphasizes the connections between Algebra and Geometry. It also integrates technology for problem solving.		College Hour(s): N/A Prerequisite: Algebra I
Mathematical Models with Applications	03102400	Grade Level: 11 - 12 Credit(s): 1
Students will use algebraic, graphical and geometric reasoning to recognize patterns, to model information and to solve problems involving money, data, chance, patterns, music, design and science. Students use a variety of representations, tools, and technology to link modeling techniques and mathematical concepts and to solve applied problems. <i>NOTE: For RHSP students, MMA (if selected) must be completed prior to Algebra II, which will be the fourth math credit. This course cannot be taken for DAP.</i>		College Hour(s): N/A Prerequisite: Algebra I
Pre-Calculus	03101100	Grade Level: 11 - 12 Credit(s): 1
This course provides a foundation for Calculus. Topics studied are real numbers and coordinates, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, circular functions, trigonometric functions, complex numbers, sequences and series, and second degree relations.		College Hour(s): N/A Prerequisite: Algebra I, Geometry & Algebra II

College Preparatory Mathematics Course	CP111200	Grade Level: 12 Credit(s): 1 College Hour(s): N/A
The college preparatory mathematics course (CPMC) is a full credit course designed for students in Grade 12 whose performance on an end-of course assessment instrument or coursework, a college entrance examination, or a Texas Success Initiative assessment instrument, indicate the student is not ready to perform entry-level. Students who receive a final CPMC grade of 70-79 be eligible for college level mathematics placement with Non-Course Based Options (NCBO), and students earning a final CPMC grade of 80 or higher will meet college readiness standards. Students meeting college readiness standards in the CPMC will not be required to take the TSI assessment or be placed in developmental courses.		Prerequisite: Algebra I, Geometry, and one other foundational mathematics credit.
MATH 1314 College Algebra – Pre-Calculus Semester I	03102500	Grade Level: 11 - 12 Credit(s): ½ College Hour(s): 3 Prerequisite: <i>Algebra I, Geometry, & Algebra II</i> TSI: Math Score >350 Must meet Del Mar College's admission requirements
Fundamentals of Algebra, including inequalities, functions, systems of equations, determinants and instructor option of binomial theorem or progressions (or both), quadratic equations, exponential and logarithmic functions. Upon successful completion of the course, students earn three hours of Del Mar College credit.		
MATH 1342 Elementary Statistical Methods – Pre-Calculus Semester 2	03102501	Grade Level: 11 - 12 Credit(s): ½ College Hour(s): 3 Prerequisite: <i>Algebra I, Geometry, & Algebra II</i> TSI: Math Score >350 Must meet Del Mar College's admission requirements
Statistical description - frequency distributions, measures of location, variation; probability - basic rules, concepts of random variables and their distributions (including binomial and normal); statistical inference - confidence intervals, tests of hypotheses p-values, introduction to linear regression. Upon successful completion of the course, students earn three hours of Del Mar College credit.		
MATH 1316 Plane Trigonometry – Pre-Calculus Semester 2	03101502	Grade Level: 11 - 12 Credit(s): ½ College Hour(s): 3 Prerequisite: <i>Algebra I, Geometry, & Algebra II</i> TSI: Math Score >350
Trigonometric functions, identities, height and distance, equations involving trigonometric functions, solutions of triangles, area, vectors and their basic applications, and inverse functions.		
AP Calculus AB	A3100101	Grade Level: 12 Credit(s): 1 Prerequisite: Pre-Calculus or Dual Credit College Algebra and Trigonometry
Calculus is an exciting subject, justly considered to be one of the greatest achievements of the human intellect. Part of the aim of this course is to train students to think logically. Calculus is fundamentally different from the mathematics that students have studied previously. Calculus is less static and more dynamic. It is concerned with change and motion; it deals with quantities that approach other quantities. By the time students finish this course, they will be able to use the ideas of calculus to decide where to sit in a movie theater, explain the shapes of cans, position a shortstop and explain the formation and location of rainbows. Possible college credit may be awarded, depending on the specific college and/or test score. Students will be required to pay for and take the College Board Exam in May.		

SCIENCE

Integrated Physics & Chemistry (IPC)	03060201	Grade Level: 9 Credit(s): 1 College Hour(s): N/A
<p>In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. Texas law requires 40% field and laboratory experience during the course.</p>		
Biology – Modified	03010207	Grade Level: 9 - 10 Credit(s): 1 College Hour(s): N/A
<p><i>Students will take the Biology EOC according to ARD Committee</i></p> <p>This course includes the study of cellular biology, genetics, ecology, zoology, and botany. This class is structured to encourage scientific reasoning and applications. It reviews the history of life and surveys microorganisms. It studies the adaptations of plants, animals, and humans necessary to carry out live process. This course examines human systems and ecological relationships within a biosphere. Biology is the study of the unity of living things by focusing on the similarity and interrelatedness of cell structure, chemistry, and energy transfer.</p> <p><i>*Modified to meet each student's individual IEP. ARD Committee approval</i></p>		
Biology	03010200	Grade Level: 9 - 10 Credit(s): 1 College Hour(s): N/A
<p><i>Students will take the Biology EOC</i></p> <p>This course includes the study of cellular biology, genetics, ecology, zoology, and botany. This class is structured to encourage scientific reasoning and applications. It reviews the history of life and surveys microorganisms. It studies the adaptations of plants, animals, and humans necessary to carry out live process. This course examines human systems and ecological relationships within a biosphere. Biology is the study of the unity of living things by focusing on the similarity and interrelatedness of cell structure, chemistry, and energy transfer.</p>		
Biology Pre-AP	03010200	Grade Level: 9 Credit(s): 1 College Hour(s): N/A
<p><i>Students will take the Biology EOC</i></p> <p>This course presents principles, vocabulary, and concepts in a more detailed manner than would be presented in the Biology course. Topics include biochemistry, genetics, and organic variation, and animal and plant systems. A more in-depth study of other topics presented in regular biology is included and serves as an introduction to various fields in the biological sciences.</p>		
Biology AP	A3010200	Grade Level: 12 Credit(s): 1 College Hour(s): N/A
<p>The AP Biology course is designed to be the equivalent of a college introductory biology course. The course covers molecular biology, cytology, cell process, genetics, evolution, classification, anatomy, zoology and botany. The AP Biology course helps students develop an understanding of a science as an interrelated process and to perfect critical thinking and laboratory skills. Students will be required to take the College Board Exam in May.</p>		
Chemistry	03040000	Grade Level: 10 - 11 Credit(s): 1 College Hour(s): N/A
<p>This is a basic chemistry course focusing on conversions, atomic theory, formula writing, naming compounds, equation writing, acid-base-salt behavior, stoichiometry, and nuclear chemistry.</p>		
		Prerequisite: Algebra I and Biology

Chemistry Pre-AP	03040000	Grade Level: 10 - 11 Credit(s): 1 GPA Weight: College Hour(s): N/A Prerequisite: Algebra I and Biology
Pre-AP Chemistry offers student preparatory work for Advanced Placement Chemistry or college Chemistry. Additional time outside of class is mandatory for field and laboratory investigations. Scientific methods, critical thinking, scientific problem solving and applications to daily life are included.		
Physics	03050000	Grade Level: 11 - 12 Credit(s): 1 GPA Weight: College Hour(s): N/A Prerequisite: Recommended Algebra II (or concurrent enrollment)
This course is a study of motion, heat, sound, light, electricity, and modern (nuclear) physics. This course has a strong emphasis on mathematics. Physics is a college preparatory course with stress on developing and improving problem solving skills. It introduces the principles of physics as they apply to mechanical, fluid, electrical, and thermal system.		
Physics Pre-AP	03050000	Grade Level: 11 - 12 Credit(s): 1 College Hour(s): N/A Prerequisite: Recommended Algebra II (or concurrent enrollment)
First semester includes the study of motion and heat. Second semester focuses on the study of sound, light, electricity, and modern (nuclear) physics. Physics is a college preparatory course with emphasis on developing and improving problem solving skills. A strong working knowledge of Algebra II concepts and applications are required.		
Engineering, Design & Problem Solving	13037300	Grade Level: 12 Credit(s): 1 College Hour(s): N/A Prerequisite: Geometry, Alg. II, Chemistry & Physics
Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well-defined toward more open ended, with real-world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering.		
Aquatic Science	03030000	Grade Level: 12 Credit(s): 1 College Hour(s): N/A Prerequisite: Biology & Chemistry (suggested)
In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. field work in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, and develop critical-thinking and problem solving skills. Texas law requires 40% field and laboratory experience during the course. This course satisfies a fourth science credit.		
Forensic Science	13029500	Grade Level: 12 Credit(s): 1 College Hour(s): N/A Prerequisite: Biology & Chemistry
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. Scientific 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.**

SOCIAL STUDIES

World Geography	03020100	Grade Level: 9 Credit(s): 1
This course is designed to examine people, places, and environments on local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students study the processes and components of culture that influence division, analyze points of view that affect public policies, and analyze the impact of technology on the physical environment.		
		College Hour(s): N/A
		Prerequisite: None
World Geography Pre-AP	03020100	Grade Level: 9 Credit(s): 1
This course offers an enriched view of the traditional course with an in-depth study of the world and how they interact. Students will use creative problem solving skills to suggest solutions to world problems. This course requires extensive reading, research, and writing. This class is intended to prepare students for college level course work.		
		College Hour(s): N/A
		Prerequisite: Teacher Recommendation
World History	03340400	Grade Level: 10 Credit(s): 1
This course is the only class offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest time to the present. Historical points of reference in world history are identified. The causes and effects of political and economic imperialism are evaluated.		
		College Hour(s): N/A
		Prerequisite: World Geography
World History Pre-AP	03340400	Grade Level: 10 Credit(s): 1
This course is the only class offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest time to the present. Historical points of reference in world history are identified. The causes and effects of political and economic imperialism are evaluated. This course exceeds the traditional course in content and depth. The study of Early, Classical, Medieval, Western, and Asian civilizations is included. This class is intended to prepare students for college level courses.		
		College Hour(s): N/A
		Prerequisite: Teacher Recommendation
World History AP	A3370100	Grade Level: 10 Credit(s): 1
The AP® World History course is a rigorous, fast paced, college-ready course. This course is focused on helping students develop important historical thinking skills such as crafting historical arguments from historical evidence, chronological reasoning, comparison and contextualization, and historical interpretation and synthesis. Acquiring these skills will enable students to deepen their grasp of historical content and contexts. Students will develop their analytical skills. This sharpened instructional focus prepares students for subsequent college courses by enabling them to think and reason systematically and deeply. The study of world history requires students to think on many different geographic and temporal levels. This course will prepare students to explore broad trends and global processes over time.		
		College Hour(s): N/A
		Prerequisite: Teacher Recommendation

US History - Modified <i>Students will take the US History EOC based on ARD Committee decision</i> This required course studies the political, social, and economic events and issues related to Industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. The Great Depression and the impact of constitutional issues on American society are taught in this class. <i>*Modified to meet each student's individual IEP. ARD Committee approval</i>	03340107	Grade Level: 11 Credit(s): 1 College Hour(s): N/A
US History <i>Students will take the US History EOC</i> This required course studies the political, social, and economic events and issues related to Industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. The Great Depression and the impact of constitutional issues on American society are taught in this class.	03340100	Grade Level: 11 Credit(s): 1 College Hour(s): N/A Prerequisite: World History
AP US History <i>Students will take the US History EOC</i> Intensive and rigorous reading requirement. AP® United States History is designed to offer high school students learning experiences equivalent to college introductory U.S. History. The course provides both comprehensive review of U.S. History from the pre-colonial period to present and thorough preparation for taking the AP® U.S. History examination. Independent reading and essay writing is required.	A3340100	Grade Level: 11 Credit(s): 1 College Hour(s): N/A Prerequisite: World History
US History Dual Credit (HIST 1301) Survey of the nation's colonial background, the struggle for independence and the emergence of political parties; emphasis on individualism, westward expansion, social reform and sectionalism. Must meet Del Mar College's admission requirements. Offered online. Satisfies US History, Semester 1 graduation requirement. Counselor Placement Only	03340100	Grade Level: 11 Credit(s): ½ College Hour(s): 3 Prerequisite: World History
US History Dual Credit (HIST 1302) Survey of Reconstruction; the impact of industrialization, urbanization and immigration, the rise of America a world power, the quest for economic security and for social justice. Offered online. Must meet Del Mar College's admission requirements. Satisfies US History, Semester 2 graduation requirements. Counselor Placement Only	03340100	Grade Level: 11 Credit(s): ½ College Hour(s): 3 Prerequisite: HIST 1301
Economics The focus is on the principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Analysis of supply, demand, and cost, along with the role of financial institutions in a free enterprise system are explored.	03310300	Grade Level: 12 Credit(s): ½ College Hour(s): Prerequisite: US History
Principles of Macroeconomics Dual Credit (ECON 2301) The History, development, and application of macro-economic and micro-economic theory underlying the production, distribution and exchange of goods and services including the utilization of resources, analysis of value and prices, national income analysis, fiscal policies, monetary and banking theory, and policy distribution of income, labor problems, international economics and economic systems. Attention is given to the application of economic principles to economic problems. Must meet Del		Grade Level: 12 Credit(s): ½ College Hour(s): 3 Prerequisite: Del Mar College Admission

Mar College's admission requirements. Satisfies the Economic graduation requirement. Offered as face to face instruction on campus. **Counselor Placement Only**

United States Government	03330100	Grade Level: 12 Credit(s): ½ College Hour(s):
The focus of this class is on the principles and beliefs upon which the United States was founded and on structure, functions, and powers of government on the national, state, and local levels. Political parties, checks and balances, separation of powers, and comparisons of the U.S. system with other political systems, and court case studies are researched.		
United States Government and Politics AP	A3330100	Grade Level: 12 Credit(s): ½ College Hour(s):
AP U.S. Government and Politics is designed to provide the students with a learning experience equivalent to that obtained in most college introductory US Government and Politics courses. Independent reading and essay writing is required. (College credit may be earned, depending on specific college and test score achieved.) Students are required to take the College Board Exam in May.		
United States Government Dual Credit (GOVT 2305)	03330100	Grade Level: 12 Credit(s): ½ College Hour(s): 3
The origin and development of the US Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Must meet Del Mar College's admission requirements. Satisfies Government graduation requirement. Offered as face to face instruction on campus. Counselor Placement Only		
Psychology	03350100	Grade Level: 11 - 12 Credit(s): ½ College Hour(s):
Students explore major psychological theories. They learn about human behavior and its development, perception and learning, memory and thought, motivation and emotion; personality theories; psychological disorders; and other related topics. Students also practice the skills of observation and analysis used in modern social science.		
Sociology	03370100	Grade Level: 11 - 12 Credit(s): ½ College Hour(s):
Sociology students study social organizations, institutions, and patterns of social relationships in different cultures. They also analyze the social interactions of individuals and groups. Sociology students learn a systematic method for studying cultures, social institutions, social relationships, and the process of socialization. They also study a variety of social issues such as crime, racial discrimination, gender equity, urbanization, family structure, and other similar topics.		
General Psychology Dual Credit (PSYCH 2301)	03350100	Grade Level: 11 - 12 Credit(s): ½ College Hour(s): 3
The survey of major topics in psychology. Introduces the study of behavior and the factors that determine and affect behavior. Must meet Del Mar College's admission requirements. Offered online. Counselor Placement Only		
Personal Financial Literacy	03380082	Grade Level: 11 - 12 Credit(s): ½ College Hour(s):
This course is designed to be an interactive and research-based course. Students will apply critical thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Students will learn methods of paying for college and other postsecondary education and training and completing the application for federal student aid provided by the U.S. Department of Education.		

Gifted And Talented Interdisciplinary Studies/Mentor Seminar

N1290309, N1290313,

Grade Level: 9-12

Credit(s): ½ -1 credit

Independent Study and Mentorship (ISM) is a rigorous, challenging course offered at high schools.

College Hour(s):

This program is designed for academically gifted and high achieving students who are juniors or seniors. It receives weighted credit (5.5 points). They select careers or topics of study, and the ISM teacher helps students narrow down and focus this topic of study. The ISM teacher guides and helps the students with this important interview and mentor selection process. The course includes intense research, original idea generation, original product design, and written analysis of research. Furthermore, the ISM teacher works with the students on professionalism, time management, effective oral and written communication, interpersonal skills, interviewing, resume writing, and goal setting to help prepare these students for success in their mentorship experience and in life after high school.

Prerequisite: GT student

PHYSICAL EDUCATION & HEALTH

Foundations of Personal Fitness

PES00052

Grade Level: 9 - 12

Credit(s): ½

The 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 class include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class.

College Hour(s):

Prerequisite:

Adventure/Outdoor Education

PES00053

Grade Level: 9 - 12

Credit(s): ½

In Adventure/Outdoor Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the lifespan.

College Hour(s):

Prerequisite:

Boys/Girls Athletics I – IV (SUBATH 1-4)

PES00000; PES00001; PES00002; PES00003

Grade Level: 9 - 12

Credit(s): ½

Students in athletics must maintain their grades with the requirements set forth by the State of Texas in order to participate in games. Students must have the coach's approval for the particular sport in which they wish to participate. Students are provided with rigorous physical training and are exposed to the skills for competition in the selected sports. **Extra physical exertion and practice time are required.**

College Hour(s):

Prerequisite: Coach Approval

Health Education

03810100

Grade Level: 9 - 12

Credit(s): ½

In health education, students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. To achieve that goal, students will understand the following: students should first seek guidance in the area of health from their parents; personal behaviors can increase or reduce health risks throughout the lifespan; health is influenced by a variety of factors; students can recognize and utilize health information and products; and personal/interpersonal skills are needed to promote individual, family, and community health.

College Hour(s):

Prerequisite:

JUNIOR RESERVE OFFICER TRAINING CORPS

JROTC I	03160100	Grade Level: 9 Credit(s): 1 College Hour(s):
JROTC I serves as the foundation for the development of “fellowship” skills. The goals of the JROTC program are explained, study skills are developed, Military Customs and courtesies are demonstrated, and rudimentary marching skills are started. Performance requirements are limited to preparation and participation in the Unit Military Inspection. The commencement of leadership and command skills begin through involvement in Unit competitive teams. Students will learn to make informed decisions based on participation in Leadership Academies. JROTC covers a multi-disciplinary curriculum spanning Leadership, Social Science, Geography, History through 1860, and Health Education.		
		Prerequisite:
JROTC II - IV	03160200; 03160300; 03160400	Grade Level: 10 - 12 Credit(s): 1 College Hour(s):
JROTC II expands upon the burgeoning leadership skills first developed in JROTC I. Approaches to leadership and influencing behavior are taught. Performance expectations are limited to preparation and participation in the Annual Military Inspection. Unit management responsibility is assigned to cadets seeking opportunities to excel. Group and individual technical skills, both from leadership and drill perspective, will be learned through practice and through participation as instructors in Leadership Academies. JROTC covers an interdisciplinary curriculum encompassing Leadership, Career Planning, and History 1860-World War II.		
		Prerequisite: Instructor Approval

ARTS & HUMANITIES ENDORSEMENT

LANGUAGES OTHER THAN ENGLISH

Spanish I	03440100	Grade Level: 8 - 10 Credit(s): 1 College Hour(s):
This is an entry level course designed for the development of the four language skills; listening, speaking, reading and writing with emphasis on oral proficiency and an understanding of Hispanic culture.		
		Prerequisite:
Spanish I Pre-AP	03440100	Grade Level: 8 - 10 Credit(s): 1 College Hour(s):
Spanish I Pre-AP introduces students to the four basic skills of language learning (listening, speaking, reading and writing). Students in Level I also develop appropriate grammatical concepts and learn about the culture and people who speak the target language. Students of classical languages use the skills of listening, speaking, and writing to reinforce the skill of reading.		
		Prerequisite:
Spanish II	03440200	Grade Level: 9 - 12 Credit(s): 1 College Hour(s):
Extends language competency in a proficiency-oriented curriculum in listening, speaking, reading, and writing. Reviews and refines grammatical concepts. It extends student knowledge of the culture and civilization associated with the Spanish language.		
		Prerequisite: Spanish I

Spanish II Pre-AP	03440200	Grade Level: 9 - 12 Credit(s): 1
This course is essential for the success of students planning to continue their study of the Spanish language at the Pre-AP or AP levels. Students will receive more in-depth, open-ended writing assignments and will be introduced to more challenging reading passages. In addition, there will be an increased emphasis on speaking and listening skills.		College Hour(s): Prerequisite: Spanish I

Spanish III Pre- AP	03440300	Grade Level: 10 - 12 Credit(s): 1
This course expands language competency in listening and speaking in a proficiency-oriented curriculum. Fosters increased student knowledge of the culture and history of Spanish-speaking people. This course develops further competency in reading and writing Spanish.		College Hour(s): Prerequisite: Spanish II

Spanish IV AP	03440400	Grade Level: 10 - 12 Credit(s): 1
This course expands language competency in listening and speaking in a proficiency-oriented curriculum. Fosters increased student knowledge of the culture and history of Spanish-speaking people. This course develops further competency in reading and writing Spanish.		College Hour(s): Prerequisite: Spanish III

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

AVID I - IV	N1290001; N1290002; N1290030; N1290033	Grade Level: 9 - 12 Credit(s): 1
Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success; It is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic survival skills. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking, and research.		College Hour(s): Prerequisite:

FINE ARTS

Art I	03500100	Grade Level: 9 - 12
Students will learn the principles and elements of design. Four basic strands (perception, creative expression/performance, historical and cultural heritage, and critical evaluation) will provide broad, unifying structure for organizing the knowledge and skills students are expected to acquire.		College Hour(s): Prerequisite:
Art II	03500200	Grade Level: 10 - 12 Credit(s): 1
Art II includes an in-depth program with concentration on individualism using the Art I media. The student will increase his/her skills and learn to use his/her time in art more proficiently. Each student will be evaluated by tests and individual projects. Students must select from one of the Medias mentioned above and study that media both semesters.		College Hour(s): Prerequisite: Art I

Art III

This is an in-depth program with emphasis on individual expression through the art media, and exploration of personal themes expressed visually.

College Hour(s):

Prerequisite: Art II

AP 2-D Art and Design

A3500400

Grade Level: 11 - 12
Credit(s): 1

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design.

College Hour(s):

Prerequisite: Art II

Band I - IV

PES00012

03150100; 03150200; 03150300; 03150400

Grade Level: 9 - 12
Credit(s): 1

Students will study and apply musical performance techniques and will participate in Marching from the beginning of August until the last football game. Auditions will be held to form two concert bands. Two UIL contests consisting of marching, concert, and sight reading are held. A Christmas concert and individual competitions for district, regional, area, and state contests for UIL Solo and Ensemble will be stressed. Students will participate in various public performances throughout the year.

College Hour(s):

Prerequisite: Band Director Approval

NOTE: Marching band counts for One-half to One Credit toward PE equivalency

Instrumental Ensemble: Mariachi I - IV

03153800; 03153900; 0315400; 03154100

Grade Level: 9 - 12
Credit(s): 1

Mariachi provides the opportunity for the more advanced music student to explore mariachi as a performance Medium. Requires attendance at out-of-school performances.

College Hour(s):

Prerequisite: Audition

Jazz (Stage) Band I - IV

03151300; 03151400; 03151500; 03151600

Grade Level: 9 - 12
Credit(s): 1

Students will explore areas of jazz, rock and pop style music. Students should have an aptitude for this type of music. The stage band performs at concerts in addition to competing in area jazz festivals and UIL competition.

College Hour(s):

Prerequisite: Band Director Approval

Theatre Production

03250700

Grade Level: 10 - 12
Credit(s): ½ - 1

The traditional school day will be required. This class is for the serious student wanting to pursue acting or theatre production. **This course will require practice, workshops, performances and contests on some evenings and weekends.**

College Hour(s):

Prerequisite: Theatre Arts I or Teacher Approval

Theatre Arts I - IV

03250100; 03250200; 03250300; 03250400

Grade Level: 9 - 12
Credit(s): 1

Students will broaden their theatrical knowledge by exploring the foundations of drama. Instruction will include the history, pantomime, improvisation, voice production, and basic acting techniques. Students in this class will have the chance to perform as a culminating activity.

College Hour(s):

Prerequisite:

Choir I - IV

03150900; 03151000; 03151100; 03151200

Grade Level: 9 - 12

Credit(s): 1

This Choir is for students wishing to become better musicians and singers. Choir is performance oriented. Students will have opportunities to perform noncompetitively in Choir. Students may participate in the UIL Solo and Ensemble Contest. However, student who would like to compete for membership in the TIMEA District, Region, Area or State Choirs must be approved for competition by the choir director.

College Hour(s):

Prerequisite:

Music Appreciation

03155600

Grade Level: 9 - 12

Credit(s): 1

This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

College Hour(s):

Prerequisite:

ARTS & HUMANITIES ENDORSEMENT

Possible Careers in Visual Arts:

- Museum Curator
- Artist
- Movie Set Designer
- College Professor (Art)
- Creative Director
- Marketing
- Illustrator
- Photographer
- Animator
- Therapeutic Art Specialist

VISUAL ARTS PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Art I • Physical Education 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Art II • Elective • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • Art III • Psychology • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Advanced Science • Economics • Government • English IV/Advanced English • Elective • Elective

ARTS & HUMANITIES ENDORSEMENT

Possible Careers in Choir:

- Music Teacher
- Vocalist
- Ethnomusicologist
- Professor in Music
- Music Business
- Choreographer

CHOIR PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Algebra I Spanish I Touch System Data Entry 	<ul style="list-style-type: none"> Algebra I or Geometry Biology World Geography English I Professional Communications Spanish I or Spanish II Choir I Physical Education 	<ul style="list-style-type: none"> Algebra II or Geometry Chemistry World History English II Spanish II Choir II Elective Elective 	<ul style="list-style-type: none"> Math Models or Algebra II or Pre-Calculus Physics US History English III Choir III Psychology Elective Elective 	<ul style="list-style-type: none"> Algebra II or Pre-Calculus or College Algebra or AP Calculus Advanced Science Economics Government English IV/Advanced English Choir IV Elective Elective

ARTS & HUMANITIES ENDORESMENT

Possible Careers in Music:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Musician • Band Director • Film Musician | <ul style="list-style-type: none"> • Music Teacher • Professor in Music • Ethnomusicologist |
|--|--|

BAND (Mariachi, Jazz, or Marching) PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Algebra I Spanish I Touch System Data Entry 	<ul style="list-style-type: none"> Algebra I or Geometry Biology World Geography English I Professional Communications Spanish I or Spanish II Band, Jazz Band, or Mariachi I Physical Education 	<ul style="list-style-type: none"> Algebra II or Geometry Chemistry World History English II Spanish II Band, Jazz Band, or Mariachi II Elective Elective 	<ul style="list-style-type: none"> Math Models or Algebra II or Pre-Calculus Physics US History English III Band, Jazz Band, or Mariachi III Psychology Elective Elective 	<ul style="list-style-type: none"> Algebra II or Pre-Calculus or College Algebra or AP Calculus Advanced Science Economics Government English IV/Advanced English Band, Jazz Band, or Mariachi IV Elective Elective

ARTS & HUMANITIES ENDORSEMENT

Possible Careers in Theater Arts:

- Set Design Artist
- Director
- Actor
- Choreographer

THEATRE ARTS PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Algebra I Spanish I Touch System Data Entry 	<ul style="list-style-type: none"> Algebra I or Geometry Biology World Geography English I Professional Communications Spanish I or Spanish II Theatre I Physical Education 	<ul style="list-style-type: none"> Algebra II or Geometry Chemistry World History English II Spanish II Theatre II Elective Elective 	<ul style="list-style-type: none"> Math Models or Algebra II or Pre-Calculus Physics US History English III Theatre III Psychology Elective Elective 	<ul style="list-style-type: none"> Algebra II or Pre-Calculus or College Algebra or AP Calculus Advanced Science Economics Government English IV One Act Play Elective

ARTS & HUMANITIES ENDORSEMENT

Possible Careers using Spanish:

- Interpreter
- Central Intelligence Agent
- Actor
- FBI Agent

SPANISH PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Algebra I Spanish I Touch System 	<ul style="list-style-type: none"> Algebra I or Geometry Biology World Geography English I Professional Communications Spanish I or Spanish II Physical Education Elective 	<ul style="list-style-type: none"> Algebra II or Geometry Chemistry World History English II Spanish II or III Elective Elective Elective 	<ul style="list-style-type: none"> Math Models or Algebra II or Pre-Calculus Physics US History English III Spanish III or IV Psychology Elective Elective 	<ul style="list-style-type: none"> Algebra II or Pre-Calculus or College Algebra or AP Calculus Advanced Science Economics Government English IV Elective Elective

BUSINESS AND INDUSTRY ENDORSEMENT

Graphic Design Pathway

Principles of Audio/Video Technology and Communications

13008200

Grade Level: 9

Credit(s): 1

Through the study of audio/visual technology students learn to make informed decisions about technologies and their applications. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results.

College Hour(s):

Prerequisite: none

Graphic Design and Illustration I

13008800

Grade Level: 10

Credit(s): 1

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. The course is structured as a series of design projects where students create their own designs in response to specific goals and requirements. The projects will weave together knowledge and skills related to: professional practice graphic design and illustration, tools of design and presentation and the creative and technical process of design.

College Hour(s):

Prerequisite: Recommended Principles of AVTC

Graphic Design and Illustration II

13008900

Grade Level: 11

Credit(s): 1

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. The course is structured as a series of design projects where students create their own designs in response to specific goals and requirements. The projects will weave together knowledge and skills related to: professional practice graphic design and illustration, tools of design and presentation and the creative and technical process of design.

College Hour(s):

Prerequisite: Graphic Design & Illustration I

BUSINESS & INDUSTRY ENDORSEMENT

Possible Careers in Graphic Design:

- Journalism
- Visual Artist
- Project Manager
- Product Designer
- Printing Technology
- Graphic Designer
- Fashion Designer
- Brand Designer

GRAPHIC DESIGN PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Principles of Arts, Audio/Video Technology and Communications • Physical Education 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Graphic Design & Illustration I • Fine Arts credit Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • Graphic Design & Illustration II • Graphic Design & Illustration II Lab • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Advanced Science • Economics • Government • English IV • Elective

Finance

Principles of Business , Marketing & Finance	13011200	Grade Level: 9 Credit(s): 1
Students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.		College Hour(s): Prerequisite: Counselor Recommendation
Virtual Business	13012000	Grade Level: 10 Credit(s): ½
Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Student will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business. Counselor Placement Only		College Hour(s): Prerequisite: Counselor Recommendation
Human Resources Management	13011900	Grade Level: 10 Credit(s): ½
Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions. Counselor Placement Only		College Hour(s): Prerequisite: Counselor Recommendation
Business Information Management I	13011400	Grade Level: 10 Credit(s): 1
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.		College Hour(s): Prerequisite: Principles of BMF
Business Information Management II	13011500	
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.		College Hour(s): Prerequisite: BIM I

Math 1324 Business Math		Grade Level: 12 Credit(s): 1
A study of linear equations, systems of linear equations, systems of linear inequalities, linear programming, probability, logarithmic, exponential functions and mathematics of finance.		College Hour(s): 3
		Prerequisite: TSI Math 350
Money Matters	13016200	Grade Level: 9-12 Credit(s): 1
This class will help empower students to make sound financial decisions for life. This course will teach you the following: save money and build wealth, negotiate great deals, establish a budget that works, identify and understand different types of investments, set and achieve financial and career goals, describe the many dangers of debt, recognize the advantages of renting and owning a home, become an aware consumer, and understand different types of insurance and what's best for you.		College Hour(s):
		Prerequisite: None
Banking and Financial Services	13016300	Grade Level: 9-12 Credit(s): .5
This course is designed to teach students the financial, economic, and social aspects of the business world. The students incorporate a broad base of subjects including insurance, investing, business ownership and financing, credit, apartments, mortgages, banking, currency, and operations of the Federal Reserve.		College Hour(s):
		Prerequisite: Accounting I
Accounting I	13016600	Grade Level: 10-12 Credit(s): 1
In Accounting I, students will 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 will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.		College Hour(s):
		Prerequisite: None
Accounting II	13016700	
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.		College Hour(s):
		Prerequisite: Accounting I
Introduction to Accounting ACNT 1303		Grade Level: 12 Credit(s): 1
A study of analyzing, classifying and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations and payroll.		College Hour(s): 3

Business Principles BUSI 1301

Grade Level: 12

Credit(s): 1

Course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money, and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

College Hour(s): 3

Prerequisite: None

Career Preparation

12701300

Grade Level: 12

Credit(s): 1

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..

Prerequisite: Must have a secured work based learning site.

BUSINESS & INDUSTRY ENDORSEMENT

Possible Careers in Business Management:

- Office Manager
- Financial Manager
- Human Resources Manager
- Business Executive
- Small Business Owner
- Operations Analyst
- Accountant
- Credit Manager

BUSINESS MANAGEMENT & ADMINISTRATION PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Principles of Business, Marketing and Finance • Physical Education • Money Matters 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Business Information Management I or II • Accounting I • Fine Arts credit • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Cal • Physics • US History • English III • Business Information Management II • Accounting II • Business Lab • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Advanced Science • Economics • Government • English IV • Practicum in Business Management • Elective

Manufacturing – Industry Welding Pathway**Introduction to Welding (WLDG 1323) Welding Safety, Tools & Equipment**

13032250

Grade Level: 11

Credit(s): 1

An introduction to welding careers, equipment and safety practices, including OSHA standards for industry.

Must meet Del Mar College's admission requirements

Counselor Placement Only

Spring Only

College Hour(s): 3

Prerequisite: Successfully passed Alg. I, Biology, and Eng. I courses and EOC.

Welding I (WLDG 1407) Introduction to Welding Using Multiple Practices	13032300	Grade Level: 12 Credit(s): 2
Basic welding techniques using some of the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW).		College Hour(s): 3
Must meet Del Mar College's admission requirements Counselor Placement Only		Prerequisite: Successfully passed Alg. I, Biology, and Eng. I course and EOC.

Welding II (WLDG 1521) Welding Fundamentals	13032410	Grade Level: 12 Credit(s): 2
An introduction to the fundamentals of equipment used in oxy-fuel and arc welding, including welding and cutting safety, basic oxy-fuel welding and cutting, basic arc welding processes and basic metallurgy.		College Hour(s): 5
Must meet Del Mar College's admission requirements Counselor Placement Only		Prerequisite: Successfully passed Alg. I, Biology, and Eng. I courses and EOC.

BUSINESS & INDUSTRY ENDORSEMENT

Possible Careers in Welding:

- Ironworker
- Welder
- Steel Fabricator
- Pipe Welder

WELDING PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Physical Education • Elective 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Intro to Welding • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Cal • Physics • US History • English III • Psychology • Welding I • Welding II • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Advanced Science • Economics • Practicum in Manufacturing w/ Lab

PUBLIC SERVICE ENDORSEMENT

Health Science Pathway

Principles of Health Science	13020200	Grade Level: 9 Credit(s): 1
This class will provide classroom instruction to include human anatomy, medical terminology and basic skills. Students will learn work ethics necessary to work in the professional field. Membership and participation in HOSA will be necessary.		College Hour(s):
		Prerequisite:

Medical Terminology	13020700	Grade Level: 10 Credit(s): 1
This course uses anatomy and physiology of the human body to teach basic medical terminology. This course required with Health Science to receive articulated credit of the college class. This course teaches prefixes, suffixes and combining forms of anatomical terminology as well as basic human anatomy.		College Hour(s): Prerequisite: Principles of Health Science
Health Science Theory	13020400	Grade Level: 11 Credit(s): 1
Provides for the development of advanced knowledge and skills related to a wide variety Of health careers. Students will have hands-on experiences for continued knowledge and skill development, including CPR and First Aid. Students learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should identify the employment opportunities, technology, and safety requirements of each system and apply knowledge and skills necessary to pursue a health science career through further Education and employment.		College Hour(s): Prerequisite: Principles of Health Science & Chemistry
Anatomy & Physiology	13020600	Grade Level: 11 - 12 Credit(s): 1
Provides capable and highly motivated students with an in-depth study of the structure and functions of the components of the human body. Includes the investigation of cell specialization, the cooperative functions of cells as tissues and organs, the major body systems, and the interrelationship of those systems in a living organism. Builds a knowledge base for those students who wish to pursue a career in medicine.		College Hour(s): N/A Prerequisite: Biology and Chemistry
Phlebotomy Technician	800	Grade Level: 11-12 Credit(s): 1
Skill development in the performance of a variety of blood collecting methods using proper techniques and universal precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture and specimen collection on adults, children and infants. Emphasis on infection prevention, proper patient identification, labeling of specimens and quality assurance, specimen handling, processing and receiving.		College Hour(s): Prerequisite: Principles of Health Science and application
EKG Technician	380	Grade Level: 11-12 Credit(s): 1
Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities.		College Hour(s): Prerequisite: Principles of Health Science and application
Certified Nursing Assistant	390	Grade Level: 12 Credit(s): 1
Certified Nursing Assistant provides basic direct patient care to assist with daily living activities of individuals with health needs. CNAs must be knowledgeable in taking vital signs, educating patients on health concerns, assisting with range-of-motion exercises and offering emotional and physical support. This certification is the first step toward a career in the health field. Includes hands-on practice at local facilities.		College Hour(s): Prerequisite: Principles of Health Science and application

PUBLIC SERVICE ENDORSEMENT

Possible Careers in Health Science:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Anesthesiologist • Athletic Trainer • Chiropractor • Dental Hygienist • Emergency Medical Technician • Paramedic • Pharmacy Tech • Licensed Vocational Nurse | <ul style="list-style-type: none"> • Forensic Pathologist • Medical Doctor • Physical Therapist • Registered Nurse • Patient Care Technician • Pharmacist • Veterinarian • Education Administrator |
|---|--|

HEALTH SCIENCE PATHWAY – PATIENT CARE TECHNICIAN

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Principles of Health Science • Physical Education 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Medical Terminology • Health • Fine Arts credit • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • Health Science Theory • Psychology • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Anatomy & Physiology • Economics • Government • English IV • Practicum in Health Science • Elective

JROTC Pathway

PUBLIC SERVICE ENDORSEMENT

Possible Careers in JROTC:

- | | |
|---|---|
| <ul style="list-style-type: none"> • Governor • Military • President of the United States • CIA Agent | <ul style="list-style-type: none"> • Department of Defense • Secret Security • Police Officer • FBI Agent |
|---|---|

JROTC PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • JROTC I • Elective 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • JROTC II • Health • Fine Arts credit • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • JROTC III • Psychology • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Anatomy & Physiology • Economics • Government • English IV • JROTC IV • Elective

Introduction to Culinary Arts	13022400	Grade Level: 10 Credit(s): 1
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Counselor Placement Only		College Hour(s): Prerequisite: Principles of Hospitality & Tourism

Lifetime Nutrition and Wellness	13024500	Grade Level: 9 - 12 Credit(s): ½
This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. May be used as a general elective course		College Hour(s): Prerequisite: None

Education and Training Pathway

Principles of Education & Training	13024200	Grade Level: 9 Credit(s): 1
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 and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.		College Hour(s): Prerequisite:

Child Development	13024700	Grade Level: 9 - 12 Credit(s): 1
This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. May be used as a general elective course		College Hour(s): Prerequisite:

Human Growth & Development	13014300	Grade Level: 10 Credit(s): 1
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.		College Hour(s): Prerequisite: Principles of Human Services

Instructional Practices	13014400	Grade Level: 11 Credit(s): 1
This is a field based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students 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.		College Hour(s): Prerequisite: Principles of Human Services
Child Growth and Development TECA 1345		Grade Level: 12 Credit(s): 1
A study of the physical, emotional, social and cognitive factors impacting growth and development of children through adolescence. Successful completion of this class allows students to be eligible for a paid internship in West Oso ISD.		College Hour(s): 3 Prerequisite:

PUBLIC SERVICE ENDORSEMENT

Possible Careers in Education and Training:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Teacher • Early Childhood Educator • College Professor • Principal • Superintendent | <ul style="list-style-type: none"> • Guidance Counselor • Education Administrator • College Dean • Teacher's Aide • Training & Development Specialist |
|---|--|

EDUCATION AND TRAINING PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Principles of Education & Training • Physical Education 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Human Growth & Development • Fine Arts credit Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • Instructional Practices • Psychology • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Advanced Science • Economics • Government • English IV • Practicum in Education & Training • Elective

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS ENDORSEMENT

Engineering Pathway

Principles of Applied Engineering

13036200

Grade Level: 9

Credit(s): 1

College Hour(s):

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Engineering Design & Presentation I

13036500

Grade Level: 10

Credit(s): 1

College Hour(s):

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Prerequisite: Principles of
Applied Engineering

Engineering Design & Presentation II

13036600

Grade Level: 11

Credit(s): 1

College Hour(s):

Engineering Design & Presentation II is a course in applied science that is designed to prepare students more effectively for the advances in technology. It blends an understanding of basic principles with practice in practical applications. Engineering Design & Presentation II includes 7 units of instruction dealing with each principle as it applies in the four energy systems: mechanical, fluid, thermal, and electrical. The 7 units that will be covered are force, work, rate, resistance, energy, power, and force transformers. Emphasis will also be placed on hands on activities, creative thinking and problem solving, while having fun learning. This class is a necessity for all young men and women who want to be productive in today's technological society.

Prerequisite: Engineering
Design & Presentation I

Engineering, Design & Problem Solving

13037300

Grade Level: 12

Credit(s): 1

College Hour(s): N/A

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

Prerequisite: Geometry, Alg. II,
Chemistry & Physics

Scientific Research and Design**13037200**

Grade Level: 11

Credit(s): 1

College Hour(s):

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.

Prerequisite: Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics

STEM ENDORSEMENT

Possible Careers in Engineering:

- Mechanical Engineer
- Environmental Engineer
- Biomedical Engineer
- Chemical Engineer
- Industrial Engineer
- Electrical Engineer
- Civil Engineer
- Nuclear Engineer
- Aerospace Engineer
- Petroleum Engineer

ENGINEERING PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Algebra I • Spanish I • Touch System Data Entry 	<ul style="list-style-type: none"> • Algebra I or Geometry • Biology • World Geography • English I • Professional Communications • Spanish I or Spanish II • Principles of Applied Engineering • Physical Education 	<ul style="list-style-type: none"> • Algebra II or Geometry • Chemistry • World History • English II • Spanish II • Engineering Design & Presentation I • Elective • Elective 	<ul style="list-style-type: none"> • Math Models or Algebra II or Pre-Calculus • Physics • US History • English III • Engineering Design & Presentation II • Elective • Elective 	<ul style="list-style-type: none"> • Algebra II or Pre-Calculus or College Algebra or AP Calculus • Engineering Design & Problem Solving • Economics • Government • English IV/Advanced English • Scientific Research & Design • Elective

Computer Science

Computer Science Essentials

13027200

Grade Level:9-12

Credit(s): 1

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop *computational thinking skills* that prepares them to advance to Computer Science Principles.

College Hour(s):

Prerequisite: Computer Science Essentials.

Computer Science Principles

03580200

Grade Level: 10-12

Credit(s): 1

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

College Hour(s):

Prerequisite: Computer Science Essentials.

STEM ENDORSEMENT

Possible Careers in Computer Science:

- | | |
|---|--|
| <ul style="list-style-type: none"> Software application developer Web developer Database administrator Computer Systems analyst | <ul style="list-style-type: none"> Computer network architect Business intelligence analyst Network system administrator Software quality insurance engineer |
|---|--|

COMPUTER SCIENCE PATHWAY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Algebra I Spanish I Touch System Data Entry 	<ul style="list-style-type: none"> Algebra II Biology World Geography English I Professional Communications Spanish I or Spanish II Computer Science Essentials Physical Education 	<ul style="list-style-type: none"> Geometry Chemistry World History English II Spanish II Computer Science Principles Elective Elective 	<ul style="list-style-type: none"> College Algebra Calculus I Physics US History English III Programming I Data Base Programming 	<ul style="list-style-type: none"> Calculus II Discrete Mathematics Economics Government English IV/Advanced English Programming II Logic & Design

West Oso Early College High School

Academic Planning Guide



Trust, Personalization and Collaboration

2020-21

West Oso High School Early College Graduation Plan +Endorsement

Name:		DOB:	ID:	Counselor Signature:
Address:	Home Phone:	Work Phone:	Cell Phone:	Parent/ Guardian Signature:
Career Interest(s):				Student Signature:

Collegiate Graduation Plan-Student will select an endorsement

+Endorsement:_____

Graduation Plan + Endorsement 26 credits		Del Mar Associate in Arts
English Language Arts – 4 Credits Pre AP English I Pre AP English II Pre AP English III English 1301, 1302 Mathematics – 3 Credits Pre AP Algebra I Pre AP Geometry <i>Pre AP Algebra 2</i> College Algebra, Statistics Social Studies – 3 Credits World Geography or World History US History Government Economics Science – 3 Credits Pre AP Biology Pre AP Chemistry Pre AP Physics Advanced Science Foreign Language/Substitute – 2 Credits Year 1 Year 2 Fine Arts – 1 Credit Fine Art Physical Education – 1 Credit Physical Education(2 classes) Electives – required 2 credit BIM 1 Speech ½ Health ½ Electives 3 credit Elective 1 Elective 2 Elective 3	STEM 1 Math 1 Science Elective 1 Elective 2 Business and Industry 1 Math 1 Science Elective 1 Elective 2 Arts and Humanities 1 Math 1 Science Elective 1 Elective 2 Public Services 1 Math 1 Science Elective 1 Elective 2 Multidisciplinary Studies 1 Math 1 Science Elective 1 Elective 2 Distinguished – Eligible for Top 10% Automatic Admissions Algebra 2 must be one of the student's math credits Performance Acknowledgement At least 12 college credits GPA > 3.0 An associate's degree	ENGL 1301 American History I Oral Communication College-Level Mathematics ENGL 1302 American History II Social/Behavioral Science Humanities GOVT 2305 Natural Science Natural Science with Lab GOVT 2306 Creative Arts KINE 1238 Elective Elective Elective Elective Elective Elective <i>Note: Electives should be selected from your endorsement.</i> <i>TSI levels</i> <i>R</i> <i>E</i> <i>M</i> HS credits:

Grade 9				Grade 10			
FALL Semester		SPRING Semester		FALL Semester		SPRING Semester	
PRE AP ENGLISH 1		PRE AP ENGLISH 1		PRE AP ENGLISH 2		PLRE AP ENGLISH 2	
PRE AP ALGEBRA 1		PRE AP ALGEBRA 1		PRE AP GEOMETRY		PRE AP GEOMETRY	
PRE AP BIOLOGY		PRE AP BIOLOGY		PRE AP CHEMISTRY		PRE AP CHEMISTRY	
PRE AP SPANISH 1		PRE AP SPANISH 1		PRE AP SPANISH 2		PRE AP SPANISH 2	
INDEPENDENT ENGLISH 1		INDEPENDENT ENGLISH 1		PRE AP W. HISTORY		PRE AP W. HISTORY	
INSTRUCTIONAL MATH		INSTRUCTIONAL MATH					
AVID		AVID		AVID		AVID	
Summer 1		Summer 2		Summer 1		Summer 2	

Grade 11				Grade 12			
FALL Semester		SPRING Semester		FALL Semester		SPRING Semester	
	US HIST		US HIST	C/BP	GOVT	C/BP	ECON
	PHYSICS		PHYSICS		Science		
MATH		MATH		MATH			
ENGL		ENGL					
ADVISORY				ADVISORY			
Summer 1		Summer 2		Summer 1		Summer 2	
Long Term Goals:							

ECHS ASSOCIATE IN ARTS DEGREE PLAN

Del Mar College - Associate in Arts Degree Liberal Arts (Multidisciplinary Studies)

8th GRADE	DMC Class	Lecture	Lab	DMC	ECHS
	Touch System Data Entry				0.5
	Algebra I				1
	Spanish I				1
		0	0	0	2.5

9th GRADE					
	English I				1
	Algebra II				1
	World Geography				1
	Biology				1
	AVID I				1
Spanish II	Beginning Spanish I (SPAN 1411)	3	1	4	0.5
Spanish II	Beginning Spanish II (SPAN 1412)	3	1	4	0.5
Art I	Art & Society (ART 1301)	3	0	3	1
Foundations of Personal Fitness	Introduction to Physical Fitness & Sport (KINE 1238)	2	0	2	0.5
Foundations of Personal Fitness	First Aid (KINE 1306)	3	0	3	0.5
		14	2	16	8

10th GRADE					
	English II				1
	World History				1
	Geometry				1
	Chemistry				1
	AVID II				1
Psychology	General Psychology (PSCH 2301)	3	0	3	0.5
Sociology	Sociology (SOCI 1301)	3	0	3	0.5
Social Studies Advanced	Intro to Ethics (PHIL 2306)	3	0	3	0.5
Professional Communications	Intro to Speech Communications (SPCH 1311)	3	0	3	0.5
Life & Physical Science Elective		3	0	3	0.5
Life & Physical Science Elective w/ Lab		3	1	4	0.5
		18	1	19	8

11th GRADE	DMC Class	Lecture hours	Lab hours	DMC credit hours	ECHS hours
English III	Composition I (ENGL 1301)	3	0	3	0.5
English III	Composition II (ENGL 1302)	3	0	3	0.5
Pre-Calculus	College Algebra (MATH 1314)	3	0	3	1
Physics	Applied Physics (SCIT 1318)	3	0	3	1
US History	US History to 1865 (HIST 1301)	3	0	3	0.5
US History	US History from 1865 (HIST 1302)	3	0	3	0.5
AVID III					1
Independent Study in English					1
Independent Study in Math					1
	Texas Government (GOVT 2306)	3	0	3	0.5
Elective		3	0	3	0.5
		24	0	24	8

12th GRADE					
English IV	British Literature I (ENGL 2322)	3	0	3	0.5
English IV	British Literature II (ENGL 2323)	3	0	3	0.5
Statistics	Elementary Statistical Methods (MATH 1314)	3	0	3	1
US Government	Gov't Federal Constitution (GOVT 2305)	3	0	3	0.5
Economics	Principles of Macroeconomics (ECON 2301)	3	0	3	0.5
AVID IV					1
Independent Study in English					1
Independent Study in Math					1
Elective		3	0	3	0.5
Elective		3	0	3	0.5
Elective		3	0	3	0.5
		24	0	24	7.5

TOTAL WOECHS CREDIT HOURS	34
TOTAL DEL MAR COLLEGE CREDIT HOURS	83

ECHS ASSOCIATE IN APPLIED SCIENCE DEGREE PLAN

Del Mar College - Associate in Applied Science Degree Process Technology

8th GRADE	DMC Class	Lecture hours	Lab hours	DMC credit	ECHS hours
	Touch System Data Entry				0.5
	Algebra I				1
	Spanish I				1
		0	0	0	2.5
9th GRADE					
	English I				1
	Algebra II				1
	World Geography				1
	Biology				1
	AVID I				1
	Spanish II Beginning Spanish I (SPAN 1411)	3	1	4	0.5
	Spanish II Beginning Spanish II (SPAN 1412)	3	1	4	0.5
	Art I Art & Society (ART 1301)	3	0	3	1
	Foundations of Personal Fitness Introduction to Physical Fitness & Sport (KINE 1238)	2	0	2	0.5
	Foundations of Personal Fitness First Aid (KINE 1306)	3	0	3	0.5
		14	2	16	8
10th GRADE					
	English II				1
	World History				1
	Geometry				1
	Chemistry				1
	AVID II				1
	Psychology General Psychology (PSCH 2301)	3	0	3	0.5
	Sociology Sociology (SOCI 1301)	3	0	3	0.5
	Social Studies Advanced Intro to Ethics (PHIL 2306)	3	0	3	0.5
	Professional Communications Intro to Speech Communications (SPCH 1311)	3	0	3	0.5
	Introduction to Process Technology Intro to Process Technology (PTAC 1302)	3	0	3	0.5
	Introduction to Process Technology Safety, Health and Environment (PTAC 1308)	3	0	3	0.5
		18	0	18	8

11th GRADE	DMC Class	Lecture hours	Lab hours	DMC credit hours	ECHS hours
English III	Composition I (ENGL 1301)	3	0	3	0.5
English III	Composition II (ENGL 1302)	3	0	3	0.5
Pre-Calculus	College Algebra (MATH 1314)	3	0	3	1
Physics	Applied Physics (SCIT 1318)	3	0	3	1
US History	US History to 1865 (HIST 1301)	3	0	3	0.5
US History	US History from 1865 (HIST 1302)	3	0	3	0.5
AVID III					1
Independent Study in English					1
Independent Study in Math					1
Petrochemical, Safety, Health & Environment	Process Technology I - Equipment (PTAC 1410)	3	1	4	0.5
Petrochemical, Safety, Health & Environment	Principles of Quality (PTAC 2314)	3	0	3	0.5
		24	1	25	8

12th GRADE					
English IV	British Literature I (ENGL 2322)	3	0	3	0.5
English IV	British Literature II (ENGL 2323)	3	0	3	0.5
Statistics	Elementary Statistical Methods (MATH 1314)	3	0	3	1
Scientific Research & Design	Applied General Chemistry (SCIT 1414)	3	1	4	1
US Government	Gov't Federal Constitution (GOVT 2305)	3	0	3	0.5
Economics	Principles of Macroeconomics (ECON 2301)	3	0	3	0.5
AVID IV					1
Independent Study in English					1
Independent Study in Math					1
Oil & Gas Production I	Process Instrumentation I (PTAC 1332)	3	0	3	0.5
Oil & Gas Production I	Industrial Process (PTAC 1354)	3	0	3	0.5
		24	1	25	8

TOTAL WOECHS CREDIT HOURS	34.5
TOTAL DEL MAR COLLEGE CREDIT HOURS	84

ECHS SPECIFIC COURSE DESCRIPTIONS

Art and Society (ARTS 1301)	03500110	Grade Level: 9 Credit(s): 1 College Hour(s): 3 Prerequisite:
Designed to help students develop an understanding of the visual arts through a basic survey of art mediums, visual elements such as line and color and a basic history of art. Slide lectures, gallery and museum tours, artist demonstrations and art films discussed.		
Introduction to Physical Fitness & Sport (KINE 1238)	PES00052	Grade Level: 9 Credit(s): ½ College Hour(s): 2 Prerequisite:
Introduction to the core concepts and practices of lifetime fitness and health necessary to achieve optimal well-being. Topics include components of fitness, assessment and exercise prescription, healthy lifestyle behaviors, nutrition, stress management, and weight management. Includes a physical activity component. Students will be expected to participate in an approved activity program throughout the semester.		
First Aid (KINE 1306)	PES00052	Grade Level: 9 Credit(s): ½ College Hour(s): 3 Prerequisite:
Instruction in first aid and emergency care skills including victim assessment, cardiopulmonary resuscitation, bandaging and splinting. Includes how to care for bleeding, burns, sudden illness, poisoning, drug abuse, temperature emergencies, emergency childbirth and drowning. Opportunity to earn certification in CPR and First Aid.		
Introduction to Cinema (DRAM 2366)		Grade Level: 10 Credit(s): ½ College Hour(s): 3 Prerequisite:
Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society.		
Music Appreciation (MUSI 1306)	03155600	Grade Level: 10 Credit(s): ½ College Hour(s): 3 Prerequisite:
Develops an understanding of musical arts through the study of the elements of music including melody, harmony, rhythm, color, texture and form. Includes style traits, genres and composers of various historical periods. Emphasizes the development of listening skills.		
American Music- History of Rock and Roll (MUSI 1310)	03155600	Grade Level: 10 Credit(s): ½ College Hour(s): 3 Prerequisite:
General survey of composers, performers and styles of the American music genre of Rock and Roll.		
Beginning Spanish I (SPAN 1411)	03440200	Grade Level: 9 Credit(s): ½ College Hour(s): 4 Prerequisite:
Fundamental skills in listening comprehension, speaking, reading and writing, including basic vocabulary, grammatical structures and culture within a Hispanic cultural framework. Emphasis on developing speaking skills.		

Beginning Spanish II (SPAN 1412)	03440200	Grade Level: 9 Credit(s): ½
Review and application of skills in listening comprehension, speaking, reading and writing. Emphasizes conversation, vocabulary acquisition, reading, composition and culture.		College Hour(s): 4 Prerequisite: SPAN 1411
General Psychology (PSYCH 2301)	03350100	Grade Level: 11 - 12 Credit(s): ½
The survey of major topics in psychology. Introduces the study of behavior and the factors that determine and affect behavior.		College Hour(s): 3
Introduction to Sociology (SOCI 1301)	03370100	Grade Level: 10 Credit(s): ½
Review and application of skills in listening comprehension, speaking, reading and writing. Emphasizes conversation, vocabulary acquisition, reading, composition and culture.		College Hour(s): 3 Prerequisite:
Social Problems (SOCI 1306)	03370100	Grade Level: 10 Credit(s): ½
Analysis of the major problems of contemporary society, including the social causes of these problems and the public policy consequences of solutions. Topics include inequality, crime and violence, substance abuse, deviance and family problems.		College Hour(s): 3 Prerequisite:
Court Systems and Practices (CRIJ 1306)		Grade Level: 11-12 Credit(s): ½
A study of the judiciary in the American criminal justice system and the adjudication processes and procedures.		College Hour(s): 3 Prerequisite:
Fundamentals of Criminal Justice (CRIJ 1310)		Grade Level: 11-12 Credit(s): ½
A study of criminal law, its philosophical and historical development, major definitions and concepts, classifications and elements of crime, penalties using Texas statutes as illustrations and criminal responsibility.		College Hour(s): 3 Prerequisite:
Court Systems and Practices (CRIJ 1313)		Grade Level: 11-12 Credit(s): ½
A study of the juvenile justice process to include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies and theories concerning delinquency.		College Hour(s): 3 Prerequisite:
Introduction to Speech Communications (SPCH 1311)	13009900	Grade Level: 10 Credit(s): ½
Introductory course in theory and practice of speech communication behavior in personal relationships, small groups and public/professional communication situations. Introduces skills to communicate with others, participate effectively in groups and deliver researched public speeches.		College Hour(s): 3 Prerequisite:
Fundamentals of Public Speaking (SPCH 1315)	03240900	Grade Level: 10 Credit(s): ½
Introductory course in theories and practices of speech communication behavior in public communication situations. Includes listener and audience analysis with an emphasis on research, organization and delivery of informative and persuasive presentations		College Hour(s): 3 Prerequisite:

Special Topics in Communication (COMG 1391)	13009900	Grade Level: 10 Credit(s): ½
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.		College Hour(s): 3 Prerequisite:
Introduction to Ethics (PHIL 2306)	03380001	Grade Level: 10 Credit(s): ½
The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals and standards of value. Course may emphasize particular applications...		College Hour(s): 3 Prerequisite:
Composition I (ENGL 1301)	03220300	Grade Level: 11 Credit(s): ½
Semester 1: English 1301 is a grammar and composition course. It will introduce you to the basics of writing, the various formats of the essay, analysis of writing techniques, and the principles behind correct grammatical usage. You will also learn to read more critically analytically. Use of the computer to complete writing assignments is required.		College Hour(s): 3 Prerequisite:
Composition II (ENGL 1302)	03220300	Grade Level: 11 Credit(s): ½
Semester 2: English 1302 is a continuation of the writing skills you learned in 1301. There is an emphasis placed on the essay form, but these are used in the context of literature. You will understand the basic genres of literatures--Prose, poetry, and drama--and apply the writing process and analytically and critically to this work.		College Hour(s): 3 Prerequisite:
College Algebra (MATH 1314)	03101100	Grade Level: 11 Credit(s): 1
Fundamentals of Algebra, including inequalities, functions, systems of equations, determinants and instructor option of binomial theorem or progressions (or both), quadratic equations, exponential and logarithmic functions.		College Hour(s): 3 Prerequisite:
Plane Trigonometry (MATH 1316)	03102530	Grade Level: 12 Credit(s): 1
Trigonometric functions, identities, height and distance, equations involving trigonometric functions, solutions of triangles, area, vectors and their basic applications, and inverse functions.		College Hour(s): 3 Prerequisite:
Industrial Mathematics (MATH 1316)		Grade Level: 12 Credit(s): 1
Math skills applicable to industrial occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications.		College Hour(s): 3 Prerequisite:
US History to 1865 (HIST 1301)	03340100	Grade Level: 11 Credit(s): ½
Survey of the nation's colonial background, the struggle for independence and the emergence of political parties; emphasis on individualism, westward expansion, social reform and sectionalism.		College Hour(s): 3

		Prerequisite:
US History from 1865 (HIST 1302)	03340100	Grade Level: 11 Credit(s): ½
Survey of Reconstruction; the impact of industrialization, urbanization and immigration, the rise of America a world power, the quest for economic security and for social justice.		College Hour(s): 3
		Prerequisite: HIST 1301
British Literature I (ENGL 2322)	03220400	Grade Level: 12 Credit(s): ½
Survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic and cultural contexts. Texts will be selected from a diverse group of authors and traditions.		College Hour(s): 3
		Prerequisite: ENGL 1301
British Literature II (ENGL 2323)	03220400	Grade Level: 12 Credit(s): ½
Survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical, linguistic and cultural contexts. Texts will be selected from a diverse group of authors and traditions.		College Hour(s): 3
		Prerequisite: ENGL 1301
Principles of Macroeconomics (ECON 2301)		Grade Level: 12 Credit(s): ½
The History, development, and application of macro-economic and micro-economic theory underlying the production, distribution and exchange of goods and services including the utilization of resources, analysis of value and prices, national income analysis, fiscal policies, monetary and banking theory, and policy distribution of income, labor problems, international economics and economic systems. Attention is given to the application of economic principles to economic problems.		College Hour(s): 3
		Prerequisite:
Fundamentals of Cell Biology (BIOL 1308)		Grade Level: 11 Credit(s): 1
Scientific method, chemical properties of life, cells and organelles, metabolism, photosynthesis, respiration, cell division, genetics, molecular genetics and genetic engineering. Designed primarily to be the first biology course for nonscience majors.		College Hour(s): 3
		Prerequisite:
Biology: Diversity and Environment (BIOL 1309)		Grade Level: 11 Credit(s): 1
Intended primarily for nonscience majors. Diversity, structure and life cycles of monerans, protists, fungi, plants, animals (including humans); population genetics, evolution, principles of ecology and global ecology.		College Hour(s): 3
		Prerequisite:
Applied Physics (SCIT 1318)	03050000	Grade Level: 11 Credit(s): 1
An introduction to physics for industrial applications including vectors, motion, mechanics, simple machines, matter, heat, and thermodynamics.		College Hour(s): 3
		Prerequisite:
Applied General Chemistry I (SCIT 1414)		
Applications of general chemistry emphasizing industry-related laboratory skills and competencies including laboratory safety and report writing. Addresses supporting chemical theories including atomic and molecular structure, nomenclature, chemical reactivity, gas laws, acids and bases, and solutions.		College Hour(s): 4
		Prerequisite:

DC/AC Circuits (CETT 1409) Computer Engineering Technology

Fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques.

Grade Level: 12
Credit(s): 1
College Hour(s): 4
Prerequisite:

Process Technology**Federal Government: Federal Constitution (GOVT 2305)**

03330100 Grade Level: 12
Credit(s): ½
College Hour(s): 3
Prerequisite:

The origin and development of the US Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Texas Government: Texas Constitution (GOVT 2306)

03330100 Grade Level: 12
Credit(s): ½
College Hour(s): 3
Prerequisite:

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.

Introduction to Process Technology (PTAC 1302)

N1300262 Grade Level: 10
Credit(s): ½
College Hour(s): 3
Prerequisite:

An introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations; plant organizations; plant process and utility systems; and the physical and mental requirements of the process technician.

Safety, Health & Environment (PTAC 1308)

N1300262 Grade Level: 10
Credit(s): ½
College Hour(s): 3
Prerequisite:

Development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis will be on safety health and environmental issues in the performance of all job tasks and regulatory compliance issues.

Principles of Quality (PTAC 2314)

N1300264 Grade Level: 11
Credit(s): ½
College Hour(s): 3
Prerequisite: 1302

A study of the background and application of quality concepts. Topics include team skills, quality tools and economics and continuous improvement.

Process Technology I - Equipment (PTAC 1410)

N1300264 Grade Level: 11
Credit(s): ½
College Hour(s): 4
Prerequisite: PTAC 1302

Instruction in the use of common process equipment.

Process Instrumentation (PTAC 1332)

13001250 Grade Level: 12
Credit(s): ½
College Hour(s): 3
Prerequisite: PTAC 1302

A study of the instruments and instrument systems used in the process industry including terminology, primary variables, symbology, control loops, and basic troubleshooting.

Instrumentation Technology/Technician

Industrial Process (PTAC 1354)	13001250	Grade Level: 12 Credit(s): ½
A study of the processes employed in process plant operations.		College Hour(s): 3
		Prerequisite: PTAC 1302
Principles of Automatic Control (INTC 1341)		Grade Level: 11 Credit(s): ½
Basic measurements, automatic control systems and design, closed loop systems, controllers, feedback, control modes, and control configurations.		College Hour(s): 3
Application of Industrial Auto. Controls (INTC 1343)		Grade Level: 11 Credit(s): ½
Automatic process control including measuring devices, analog and digital instrumentation, signal transmitters, recorders, alarms, controllers, control valves, and process and instrument diagrams. Includes connection and troubleshooting of loops.		College Hour(s): 3
		Prerequisite: INTC 1341
Instrumentation Calibration (INTC 1356)		Grade Level: 12 Credit(s): ½
Techniques for configuring and calibrating transmitters, controllers, recorders, valves, and valve positioners.		College Hour(s): 3
		Prerequisite:
Instrumentation Systems Installation (INTC 2333)		Grade Level: 12 Credit(s): ½
Synthesis, application, and integration of instrument installation components. Includes a comprehensive final project.		College Hour(s): 3
		Prerequisite:
Distributed Control & Programmable Logic (INTC 2336)		Grade Level: 12 Credit(s):
An overview of distributed control systems including configuration of programmable logic controllers, smart transmitters, and field communicators. Functions of digital systems in a process control environment.		College Hour(s): 3
		Prerequisite:
Fieldbus Process Control Systems (INTC 2350)		Grade Level: 12 Credit(s): ½
A comprehensive view of fieldbus systems using theory, applications, and hands-on experiences.		College Hour(s): 3
		Prerequisite:

“WE ARE OSO”



West Oso High School
754 Flato Road
Corpus Christi, Texas 78405
(361) 806-5960