TULOSO-MIDWAY HIGH SCHOOL

GRADUATION & CAREER PLANNING GUIDE

2016-2017

Dear Students:

We are pleased to have the opportunity to work with you as you choose your courses for next year.

Careful consideration should be given to course selections to ensure an appropriate and effective class schedule. Attention must be given to graduation plans so that specific requirements are met regarding future plans for college, technical school, and personal goals.

This booklet is designed to inform and guide you in establishing your class schedule. Actions by the local or state school board, TEA, or the state legislature, may make course information in this booklet obsolete or inaccurate. The staff at Tuloso-Midway High School will explain information to you before registration. Should you need additional assistance, you may call our office at 903-6780 or visit the high school's Counselors' Corner page at www.tmisd.us.

Sincerely,

Ann Bartosh
Principal

Lindsey Bowers
Counselor/504 Contact
Freshmen

Nelda R. Garibay
Counselor
10-12 (A-K)

Katharin Walker
Counselor
10-12 (L-Z)

Rose Perez
Testing, College & Career Readiness Coordinator

Dr. Michelle Williams
Director of Technology and CTE

Tuloso-Midway ISD does not discriminate on the basis of race, color, national origin, sex, handicap, or limited English proficiency.

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AWARDING OF CREDITS

Credit will be awarded for each half-year or full-year course on the basis of half (½) units earned per semester. Students will repeat semester courses and the semester of full-year courses in which grades below 70 are achieved.

Credit will be awarded for full year courses in which the average of the first and second semester grades is 70 or above in the same academic school year. Students must repeat the semester of each course in which a failing grade is earned. Credit for repeated semesters will only be awarded when the grade is 70 or above.

Students may be awarded credit for failed courses through correspondence, credit by exam, night school, credit recovery program or summer school where a passing grade of 70 or above is earned. These grades shall be posted on the student's transcript, but will not be factored in the calculation of the student's weighted grade point average (WGPA).

REGISTRATION

It is very important that students give serious consideration to class requests. Courses requested in the spring of the current school year will be classes scheduled in the fall of the following school year. Students must register as full day students (TEA regulations of four hours [240 minutes]). Tuloso-Midway High School requires a full schedule enrollment for all students with the following exceptions:

- Junior or senior students enrolled in the work-study program are allowed to have a shortened school day, provided prerequisite criteria are met.
- Seniors are permitted to have an abbreviated school day (either beginning or end of school day). See additional courses section for details and requirements.

If a student requests to audit a class, it must be declared and approved through the counselor prior to registration. The student will receive neither grade nor credit for the audit class and the class will not appear on the transcript. Attendance during this class is required.

SCHEDULE CHANGES

Schedule changes will be made automatically for classes that do not make, missing courses or when conflicts occur. If a schedule change is requested, a schedule change form must be secured, signed by the student, parent, and sponsor/coach, if applicable and approved by the principal. Students remain in class until the schedule change request is made by the counselor. **Do not jeopardize attendance**.

Schedule change requests will be reviewed on an individual basis beginning the first week of school. Requests for changes must be submitted before the deadline listed on the schedule change form.

EARLY HIGH SCHOOL GRADUATION

Interested students must see the principal and their counselor for approval. To graduate early, a student must complete the **Recommended or the Distinguished Achievement curriculum**. Students graduating under House Bill 5 must graduate with an **Endorsement and the Distinguished Level of Achievement**. Additional requirements for EOC testing must be considered and arranged far in advance of intended graduation date.

Early High School Graduation:

- Three Year Graduate: Declaration **must** be requested in writing on or before the end of a student's sophomore year (10^{th}). Additionally, principal and counselor approval is required.

***Important: The signed contract for Early High School Graduation cannot be revoked unless it is done so in writing on or before the end of the first week of the respective school year*.**

STATE OF TEXAS INCENTIVE PROGRAMS

See your counselor about incentive programs for students interested in institutions of higher learning. Programs include the Teacher Incentives, dependents of military veterans, and other financial assistance programs. Log onto www.tmisd.us and go to High School Counselors' Corner for more information.

GRADING & CLASSIFICATION SYSTEM

The grading system and grade classification system used at Tuloso-Midway High School are as follows:

Letter Grades	Number Grades
A	90-100
B	80-89
C	70-79
F	0-69

Classification*	State Credits
Freshman	first year in high school
Sophomore	5.0-9.5 and second year in high school
Junior	10.0-14.5 and third year in high school
Senior	15.0 and fourth year in high school

*Classification is determined by both the year in school and the number of credits accumulated prior to the beginning of the current school year.

PRE-AP AND AP PROGRAM

(Advanced Placement)

All AP courses beginning 2007-2008 have College Board approval as Advanced Placement.

The College Board's Advanced Placement (AP) is an opportunity for students to pursue college-level studies while still in secondary school and to receive advanced placement, credit or both in college. AP tests are offered during the spring semester.

Exit Policy

- A student may choose to exit a Pre-AP/AP course at the end of the third or sixth week of the first grading period, or at the end of the semester.
- The student will be moved to a regular course if the student fails to maintain an average of 70 or higher at the following intervals during the first semester:

  1. end of third week 2. end of first grading cycle 3. end of semester

WEIGHTED COURSES

Weighted courses are those, which are advanced or accelerated, that are beyond the scope of the regular curriculum. This includes all PAP/AP and Dual Credit courses. The courses, once original grades are posted on the transcript, are given additional weight when calculating the grade point average. The additional weight of ten points per semester are added to the total semester grade points to determine the weighted grade point average (WGPA).

English 1, 2, PAP	English 3, 4 AP	English 4 DC
Algebra 1 PAP	Geometry PAP	Algebra 2 PAP
Precalculus PAP	Calculus AP/Calculus DC	College Algebra DC
Biology PAP	Chemistry PAP/Chemistry AP	Physics PAP/Physics AP
Biology AP/DC	Sci.Res.and Des w/DC/AP	World Geography PAP
World History PAP	U.S. History AP/U.S.History DC	Humanities/Independent Study English
Macroeconomics AP	Gov't DC/Econ DC	Spanish 3 DC
Art AP	Computer Science AP	Yearbook/Newspaper Editor
Psychology DC	Sociology DC	Honors Band 3 & 4
Honors Concert Choir 3 & 4	Honors Chamber Choir 3 & 4	Honors Anatomy & Physiology
BCIS DC*	Business Law DC*	Accounting DC*
Music Appr DC*	Process Tech (PTAC) DC*	CNA*
Phlebotomy/EKG*	EMT DC *	Patient Care Technician*
Pharmacy Tech*	Trigonometry DC	Statistics DC
Industrial Math DC	Welding DC*	Speech DC

***Important Note: These courses, identified with an (*), <u>WILL NOT</u> be considered toward exemption under the UIL "No Pass No Play" rule. The passing standard at Del Mar College is 60.**

INDIVIDUALIZED LEARNING

According to State Board of Education rules, school districts are required to offer the College Board's Advanced Placement examinations and credit-by-examination for acceleration. School districts may also offer credit-by-examination for placement. Three dates in the fall and spring have been set to test students who wish to take the credit-by-examination for acceleration. These dates will be announced. See Note below.

Credit-by-examination may be taken for two types of credit: credit recovery and acceleration credit.
<u>Credit-by-examination (recovery)</u> is for students to receive credit for a subject in which the student has prior experience. Students must score at least **70% mastery** to receive credit for a course. Prior instruction may include: independent study, classroom work, tutorial experience, instruction abroad, life experience, or course work from an unaccredited school. **Credit-by-examination (recovery) shall not be used to gain eligibility for participation in extracurricular activities or to receive credit for courses in which students have excessive absences.** This examination grade does not count towards the students' weighted grade point average.

<u>Credit-by-examination (acceleration)</u> is for students to skip a subject without formal instruction and earn credit for a particular course. Students must score at least **80% mastery** on each semester exam in order to receive acceleration credit for a course. This examination grade does not count towards the student's weighted grade point average.

<u>State Virtual School Network</u> offers "Electronic courses" in a district's traditional classroom setting for which instruction and content is primarily provided through internet/online delivery. A student and teacher are in different locations for the student's instructional period. A district in which a student is enrolled as a full-time student may not unreasonably deny the request of a parent of a student to enroll the student in an electronic course offered through the State Virtual School Network. The district shall make all reasonable efforts to accommodate the enrollment of a student in the course under special circumstances. A district is not considered to have unreasonably denied a request to enroll a student in an electronic course if: 1.) the district can demonstrate that the course does not meet state standards or the district standards…2.) A student attempts to enroll in a course load that: a.) is inconsistent with the student's high school graduation plan; or b.) could reasonably be expected to negatively affect the student's performance on an assessment instrument under Education Code 39.023 or 3.) the request is at a time that is not consistent with the enrollment period established by the district providing the course. See your counselor for more information.

DEL MAR COLLEGE DUAL CREDIT PROGRAM

The Dual Credit Program is a cooperative partnership between the Tuloso-Midway Independent School District (TMISD) and Del Mar College enabling high school students in the TMISD to receive college credits while completing the requirements for high school graduation. Students who meet specific eligibility requirements are permitted to enroll in those Del Mar College Courses specified in the concurrent enrollment schedule. The student will earn credit toward high school graduation and college credit concurrently. See your counselor for details about this program. For more information, please visit **http://www.delmar.edu/dualcredit/.**

Application Procedures

- Students must complete the Del Mar Dual Credit application, which must be signed by the student, parent/guardian, high school counselor, high school principal and a Del Mar College official.
- Students must complete the Del Mar College Application for Admission.
- Students must submit official test scores from the ACT, SAT, or TSI scores.
- Students must submit the following: (1) the completed Del Mar College Dual Credit application (**www.applytexas.org**); (2) the completed Del Mar College Application for Admission; and (3) an official high school transcript to the Admissions and Registrar's Office of Del Mar College before the deadline.
- Students must follow registration procedures each semester and pay registration fees to Del Mar College.
- Students should keep copies of all paperwork submitted and received.
- Proof of eligibility criteria for ACT or SAT must be submitted **no later** than June testing.
- Deadlines for submission of all paperwork are as follows:
  Fall semester: Early May
  Spring semester: Early December

Student Eligibility Requirements

To be eligible to participate in the Dual Credit Program, students must:

- have test scores that meet eligibility criteria from one of the tests designated in the table below:
- score at college level in the area required for dual credit courses **unless exempt** using ACT or SAT.
- have completed **12 high school credits** and junior standing.
- have approval of the high school counselor and principal.
- meet the Del Mar College Admissions procedures and the high school application procedures.
- purchase any other necessities for dual enrollment courses (i.e. online access codes for certain classes)
  *please note: in certain cases, TMISD will purchase online access codes. The student will be required to reimburse the district for access codes for any class he/she chooses to drop.
- meet grade requirement in prerequisite classes.

***Note: Del Mar College may require a higher passing standard on assessment tests for dual credit courses.**

Dual Credit Requirements in Prerequisite Classes

English 4 DC (ENGL 1301, ENGL 1302)	English 3	80 = Regular, PAP	6 hrs
Biology DC (BIOL 1406, BIOL 1407)	Biology & Chemistry	90 = Regular, 80 = PAP	8 hrs
Anatomy & Physiology (pending)	Pending		
Calculus DC (MATH 2413)	Pre-calculus	80	4 hrs
Spanish 3 DC (SPAN 2311, SPAN 2312)	Spanish 1 & 2	85	6 hrs
Economics DC (ECON 2301)	English 3 & Algebra 2	80 = Regular, 80 = AP	3 hrs
Government DC (GOVT 2301)	English 3	80 = Regular, 80 = AP	3 hrs
US History DC (HIST 1301, HIST 1302)	English 2	80 = Regular, 80 = PAP	6 hrs
College Algebra DC (MATH 1314)	Algebra 2	80 = Regular, 80 = PAP	3 hrs
Plane Trigonometry DC (MATH 1316)	College Algebra	Pass College Algebra	3 hrs
Elem Statistical Methods DC (MATH 1342)	College Algebra	Pass College Algebra	3 hrs
Accounting DC (ACCT 2301, ACCT 2302)	Accounting I	80	6 hrs
BCIS DC (BCIS 1305)	BIM	80	3 hrs
Music Appreciation (MUSI 1306)	Must meet assessment levels		3 hrs
Introduction to Welding DC (WLDG 1407)	Intro to Ag Mech	70	3-5 hrs
Welding Fundamentals (WLDG 1521)	WLDG 1407		3-5 hrs
Welding Safety, Tools, & Equipment (WLDG 1323)	WLDG 1521		3-5 hrs
Intro to Pipe Welding (WLDG 1435)	WLDG 1557		3-5 hrs
Intermediate SMAW (WLDG 1557)	WLDG 1323		3-5 hrs
Industrial Mathematics (TECM 1301)	Welding or PTAC program		3-5 hrs
Special Topics in Communications (COMG 1391)	Welding or PTAC program		3-5 hrs
Emergency Medical Technician (EMT) (EMSP 1501/2106)	Meet assessment levels EMT-Basic	Principles of Health Science Recommended	6 hrs
Intro Process Technology (PTAC 1302)	Meet assessment levels, BIM		3 hrs
Process Technology I (PTAC 1410)	Intro Process Technology		4 hrs
Safety, Health and Environment I (PTAC 1308)	Meet assessment levels		3 hrs
Safety, Health and Environment II (PTAC 2348)	Safety, Health and Environment I		3 hrs
Business Law (BUSI 2301)	English 2	80	3 hrs
Psychology (PSYC 2301)	English 2	80	3 hrs
Sociology (SOCI 1301)	English 2	80	3 hrs

Number of DC classes allowed per semester: Students may take up to two courses per semester, three if GPA is 90 or higher, and may take four if GPA is 95 or higher.

Prices: Tuition prices for Del Mar College dual credit courses are subject to change each year.

Dropping a dual credit class: Certain online courses require an online access code and the student **will be responsible for reimbursing TMHS** for the cost of the access code if he or she decides to drop the class.

DEL MAR COLLEGE
Dreams. Delivered.

ASSESSMENT LEVELS CHART

	LEVEL 1 DEVELOPMENTAL	LEVEL 2 DEVELOPMENTAL	LEVEL 3 COLLEGE

READING

	(R1)	(R2)	(R3)
TSI Assessment	341 and Below	342-350	351+
ACT (Reading)	0-14	15-18	19+
SAT (Reading)	200-419	420-499	500+
TAKS (English Language Arts)			2200+ with writing sample 3+

WRITING AND ENGLISH

	(E1)	(E2)	(E3)
TSI Assessment	358 and Below Essay 0-3	359-362 Essay 0-3	363+ and Essay 4 or Essay 5 and above
ACT (English)	0-14	15-18	19+
SAT (Reading)	200-419	420-499	500+
TAKS (English Language Arts)			2200+ with writing sample 3+

MATHEMATICS

	(M0)	(M1)	(M2)	(M3)
TSI Assessment	335 and Below	336-345	346-349	350+
ACT (Mathematics)	0-12	13-15	16-19	20+
SAT (Mathematics)	200-310	311-459	460-499	500+
TAKS (Mathematics)				2200+

EXEMPTIONS FROM ALL OR SOME ASSESSMENT REQUIREMENTS

	Exempt from Reading and Writing	Exempt from Mathematics
ACT taken within 5 years from the testing date with composite of 23+	English 19+	Mathematics 19+
SAT taken within 5 years from the testing date with total reading and math of 1070+	Reading 500+	Mathematics 500+
11th Grade TAKS within 5 years	ELA 2200+ with writing sample 3+	Mathematics 2200+
STAAR (EOC) for graduates	Level 2 ENGL 3 Writing 2000+ Reading 2000+	Level 2 Algebra 2 4000+
Earned Degrees	A student who has graduated with an associate or baccalaureate degree from a Texas public institution of higher education.	

CLASS RANKING POLICY

Effective with the 1993-94 school year, a weighted grade point average (WGPA) shall be used to determine class ranking and shall be the grade reported on the official transcript (AAR: Academic Achievement Record).

Exceptions:
All course work, with the following exceptions, will be counted in determining weighted grade point average:

- All subjects for which only local credit is given*
- Off-campus or correspondence courses
- All grades received through home schooling
- Non-accredited schools grades
- Credit Recovery/Odyssey Ware
- Summer/Night school courses
- All grades received through credit by exam
- Courses taken outside the school day
- Middle School/Junior High courses

* Exception for courses: Board approved for GPA calculation such as cheerleading II-IV and Drill Team II-IV

Note: **Courses not designated as weighted on a transcript (AAR) will be calculated as a regular course with no additional weight consideration.**

Class Rank:
Excluding the exceptions listed above, all courses will be counted in determining class rank. Final class ranking for freshmen, sophomores and juniors will be averaged at the end of the second semester. Final class rankings for seniors will be calculated after the fifth grading period of the senior year.

Cum Laude:
Students who have attained an overall academic average of 90 percent or above, have been enrolled in the Distinguished Achievement Program curriculum with four advanced measures, advanced placement (AP) and/or dual credit (college) courses shall graduate cum laude. **Cum Laude requirements for those graduating under HB5 are yet to be determined.*

Valedictorian:
The graduate with the highest WGPA on the Distinguished Achievement Program and has been in attendance in the district for the preceding two years shall be designated valedictorian. **In case of a tie, refer to School Board Policy.**

Salutatorian:
The graduate with the second highest WGPA on the Distinguished Achievement Program, and has been in attendance in the district for the preceding two years shall be designated salutatorian.

National Honor Society: If you are interested in the criteria or requirements for entry to the National Honor Society please contact the sponsor.

Considerations: Beginning in grade nine start a resume and keep the following in mind:

- Minimum three weighted courses, PAP and/or AP, Dual Credit Courses during high school
- Involvement in extra-curricular activities, clubs, organizations, community/church activities, leadership programs
- Maintain a cumulative 90 grade point average

The National Honor Society's four pillars of excellence are: character, scholarship, leadership and service.

UIL SPORTS/ACTIVITIES

In order to participate in extracurricular or University Interscholastic League (UIL) activities, a student must:

- be enrolled as a full day student at Tuloso-Midway High School. A full day student is defined as: A student must be enrolled for at least four hours (240 minutes) of daily instruction (TEA attendance handbook)
- be enrolled in six periods with no more than one non-credit course.
- maintain a minimum grade of 70 at the end of each grading period unless local waiver is in place.

Contact the Athletic Director for more information.

NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

KNOW THE RULES:

Core Courses

- **NCAA Division I requires 16 core courses as of August 1, 2008**. This rule applies to any student first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.
- **NCAA Division II requires 14 core courses.** See the breakdown of core-course requirements below. Please note, Division II will require 16 core courses beginning August 1, 2013.

Test Scores

- **Division I** has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, mathematics, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.**

NCAA continued on next page…

NCAA FRESHMAN-ELIGIBILITY STANDARDS (cont'd.)

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- **Be sure** to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site to make certain that courses being taken have been approved as core courses. The Web site is www.eligibilitycenter.org
- **Division I** grade-point-average requirements are listed online
- **The Division II** grade-point-average requirement is a minimum of 2.000.

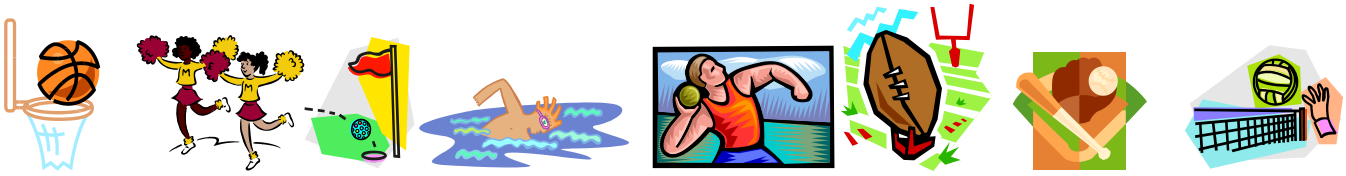
August 2008 and later 16 Core-Course Standards required for NCAA Division I Certification

	Division I	**Division II ***
English	4 years	3 years
Math (Algebra 1, or higher)	3 years	2 years
Natural/Physical Science (one lab)	2 years	2 years
Social Science	2 years	2 years
Additional English, Math or Natural/Physical Science	1 year	3 years
Extra Core Courses (from any area above or Foreign language, Philosophy or Non doctrine Religion)	4 years	4 years
Total Core Units Required	16	16

Some Points to Remember:

1. The requirements for eligibility to participate at Division I differ from those required at Division II.
2. Complete the amateurism questionnaire and request final amateurism certification.
3. Graduate from high school
4. If you have been "home-schooled" an initial-eligibility must register with the center and meet the same requirements as all other students.
5. Credit by Examination not used
6. Correspondence, distance learning and independent study courses may be used to meet the core-course requirements provided conditions are met. See Guide online
7. Courses taken in the **eighth grade** may be used to satisfy the core-curriculum requirements, if the course appears on the high school transcript with a grade and credit and appears on the high school list of approved core courses.

Note: Log on to www.eligibilitycenter.org to register during junior year.
(Source NCAA Guide for the College-Bound Student-Athlete)



Diploma Plans (ending with class of 2017)

●(Entering Grade 9 2012-2013) Chapter 74 Subchapter G
Source: The provisions of this §74.72 adopted to be effective May 30, 2012, 37 TexReg 3808

Students are required to take the "four by four" core curriculum: four years of English, mathematics, science and social studies for twenty-six (26) credits. *It is strongly recommended that electives considered be in an area of future interests with a Program of Study leading to college and career readiness.*

A student entering Grade 9 in the 2007-2008 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the recommended high school program specified in §74.63 of 19TAC (relating to Recommended High School Program) or the advanced program specified in §74.64 of 19TAC (relating to Distinguished Achievement High School Program--Advanced High School Program) unless the student, the student's parent or other persons standing in parental relation to the student, and a school counselor or school administrator agree that the student should be permitted to take courses under the minimum high school program specified in §74.62 (relating to Minimum High School Program)* and minimum high school program specified in §74.72 (relating to Minimum High School Program)

High School Program*●		**Recommended High School Program**		**#Distinguished Achievement Program (DAP)**	
English	4 credits	English	4 credits	English	4 credits
Mathematics	3 credits	Mathematics	4 credits	Mathematics	4 credits
Science	2 credits	Science	4 credits	Science	4 credits
Social Studies	3 credits	Social Studies	4 credits	Social Studies	4 credits
Phys. Ed.	1 credit	Phys. Ed.	1 credit	Phys. Ed.	1 credit
Health	**1/2 credit**	**Health**	**1/2 credit**	**Health**	**1/2 credit**
Speech	1/2 credit	Speech	1/2 credit	Speech	1/2 credit
>Fine Arts	1 credit	Fine Arts	1 credit	Fine Arts	1 credit
Computer	**1 credit**	**Computer**	**1 credit**	**Computer**	**1 credit**
		Languages other than English	2 credits	Languages other than English	3 credits
Academic elective	1 credit *●				
Electives	6/5* credits	Electives	4 credits	Electives	3 credits
	22 credits		**26 credits**		**26 credits**

 # Plus 4 Advanced measures

>Beginning Grade 9 in 2010-2011

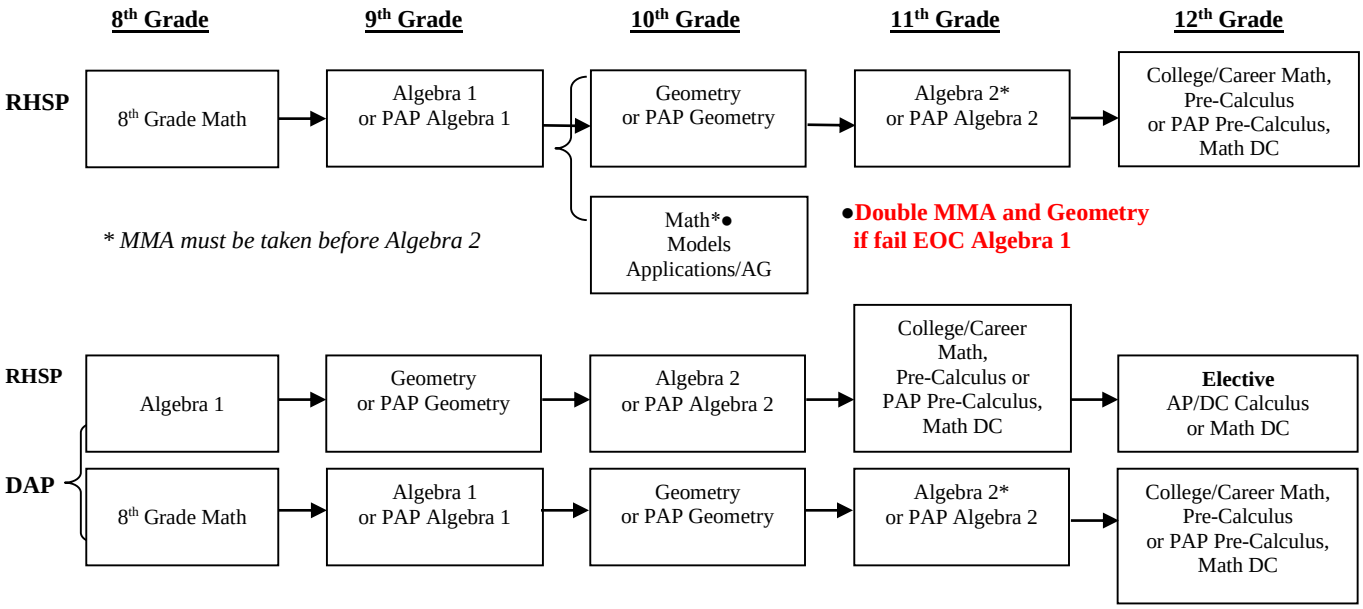
Courses in BOLD are *locally required courses.*

Students will need to demonstrate Level II mastery on the following EOC Exams:

- English 1
- English 2
- Algebra 1
- Biology
- U.S. History

Mathematics and Science Course Sequence (Class of 2017)

MATHEMATICS



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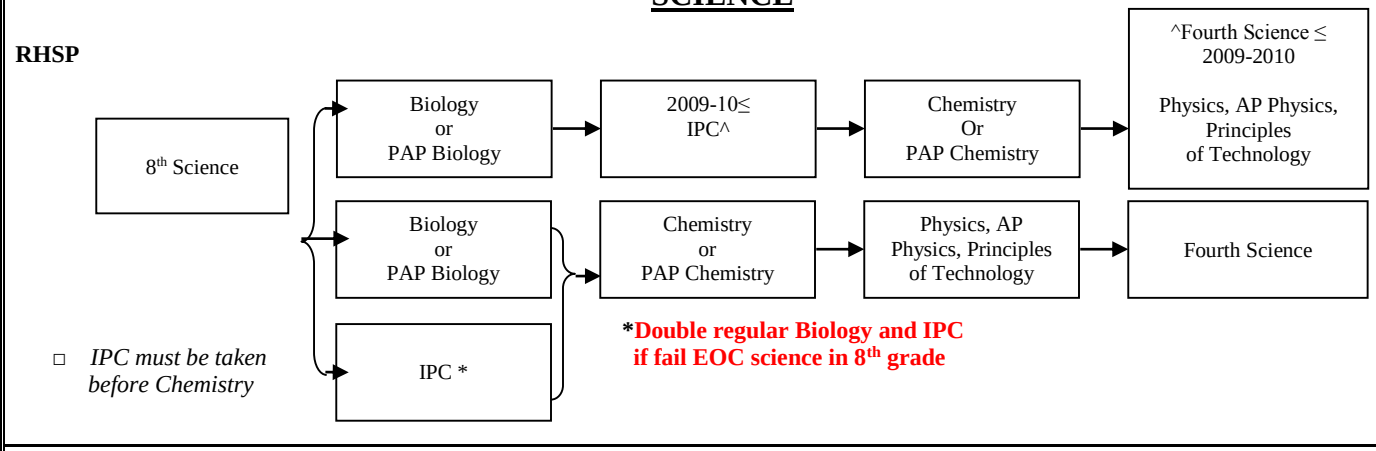
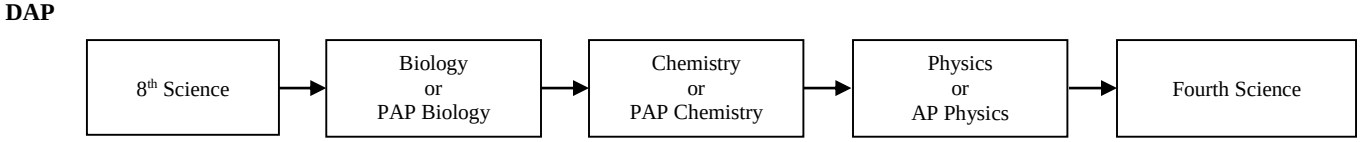




GRADUATION REQUIREMENTS

(Ending with class of 2017)

High School Program*●

Important: Note the difference in science as the academic elective for entering 9th * 2011-2012 vs ●2012-2013

English Language Arts - **four credits.** Three credits must consist of English I, English II, English III, and English IV* (Students with limited English proficiency who are at the beginning or intermediate level of English language proficiency, as defined by §74.4(d) of this title may satisfy the English I and II graduation requirements by successfully completing English I for Speakers of Other languages and English II for SOL). The final credit may be selected from the following: English IV, Research/Technical Writing, Creative/Imaginative Writing, Practical Writing Skills, Literary Genres, Business English, Journalism, Advanced Placement English Language/Literature.

Mathematics - **three credits.** Two of the credits must consist of Algebra 1 and Geometry. The final credit may be selected from the following courses: Algebra II; Precalculus,; Mathematical Models with Applications; Independent Study in Mathematics; Advanced Quantitative Reasoning(AQR); AP statistics; AP Calculus AB/BC; AP Computer Science; IB mathematics[various];Mathematical Applications in Agriculture, Food, and Natural Resources' Engineering Mathematics; and Statistics and Risk Management.

***●Science** – **two credits.** The credits must consist of Biology and Integrated Physics and Chemistry (IPC).
A student may substitute Chemistry or * **PHYSICS (entered 9th 2011-12 Chapter 74 subchapter F)** for IPC and then must use the second of these two courses as the academic elective credit identified in subsection (b)(6) of this section. **●Entered 9th 2012 -2013 Chapter 74 subchapter G: a physics credit** (Physics, Principles of Technology, AP Physics, or IB Physics) and then must use the second of these two courses as the academic elective credit identified in subsection (b)(5) of this section.

Social Studies – **three credits.** One of the credits must consist of U.S. History Studies since Reconstruction - (one credit); U.S. Government and Economics- (one-half credit each). The final credit may be selected from the following sources: World History and World Geography Studies.

Academic Elective - **one credit.** The credit must be selected from World History Studies, World Geography Studies, or any science course approved by the State Board of Education (SBOE) for science credit as found in Chapter 112. If a student elects to replace IPC with either chemistry or physics the academic elective must be the other of these two science courses.

Physical Education - **one credit.** The credits may be selected from a combination from the following one-half to one credit courses: Foundations of Personal Fitness; adventure/outdoor education; aerobic activities; athletics; JROTC; and appropriate private or commercially sponsored programs* for no more than one substitution credit. Up to one credit only for drill team, marching band; and cheerleading. *Not calculated into GPA.

Health Education - **one-half credit.** ***Local Policy*** May be satisfied by Health 1 or Advanced Health, or Health Science Technology—one credit, which may be satisfied by Introduction to HST, HST I, or HST II

Speech - **one-half credit.** The credit must consist of Communication Applications or Professional Communications.

Fine Arts – one credit. *Examples include: Art, Band, Choir, Digital Art Animation, Theatre and Principles & Elements of Floral Design.*

Computer Course - **one credit.** One computer credit is needed as per l**ocal policy.** *Examples include: BIM (Business Information Management), PIT (Principles of Information Technology), Animation, Digital Art Animation, AP Computer Science.*

Electives - **five credits. Health and computer course are included.** The credits must be selected from the list of courses specified under 19 TAC §74.61(j) or §74.62 relating to HS graduation requirements.

Total Program and Elective credits: **22** **** ●Diploma plan change from Recommended or DAP to High School Program (HSP) must have approval by student, parent and counselor.***

Recommended High School Program (Ending with class of 2017) (26 credits)

English Language Arts - four credits. The credits must consist of English I, English II, English III, and English IV (Students with limited English proficiency who are at the beginning or intermediate level of English language proficiency, as defined by §74.4(d) of this title (relating to English Language Standards), may satisfy the English I and English II graduation requirements by successfully completing English I for Speakers of Other Languages and English II for SOLs).

Mathematics - four credits. Three of the credits must consist of Algebra I, Algebra II and Geometry. The additional credit may be selected from the following courses and must be successfully completed prior to Algebra II: Mathematical Models with Applications or Mathematical Applications in Agriculture, Food and Natural Resource. The fourth credit may be selected from the following courses after successful completion of Algebra I, Geometry and Algebra II: Precalculus; Independent Study Math; Advanced Quantitative Reasoning (AQR); AP Statistics; AP Calculus; AP Computer Science; AP/IB Math; Engineering Mathematics; Statistics and Risk Management; and mathematic courses endorsed by an institution on higher education.
(MMA/MMA AG before Algebra 2)

Science - four credits. One credit must be a biology (Biology, AP Biology, IB Biology); a Chemistry (Chemistry, AP/IB Chemistry); and a Physics (Physics, Principles of Technology, AP/IB Physics). The fourth credit may be selected from the following laboratory—based courses: Aquatic Science; Astronomy; Earth and Space Science; Environmental Systems; AP/IB Biology; AP/IB Chemistry; AP/IB Physics; AP/IB Environmental Science; Scientific Research and Design; Anatomy and Physiology; Engineering Design and Problem Solving; Medical Microbiology; Path physiology; Advanced Animal Science; Advanced Biotechnology; Advanced Plant and Soil Science; Food Science; Forensic Science and science courses endorsed by an institution on higher education.

Social Studies - four credits. The credits must consist of World History Studies (one credit), World Geography Studies (one credit), U.S. History Studies Since Reconstruction (one credit), U.S. Government and Economics- (one-half credit each).

Languages other than English - two credits. The credits must consist of Level I and Level II of the same language.

Physical Education one credit The credits may be selected from a combination from the following one-half to one credit courses: Foundations of Personal Fitness; adventure/outdoor education; aerobic activities; athletics; JROTC; and appropriate private or commercially sponsored programs* for no more than one substitution credit. Up to one credit only for drill team, marching band; and cheerleading; *Not calculated into GPA.

Health Education - one-half credit. May be satisfied by Health 1 or Advanced Health, or Health Science Technology—one credit, which may be satisfied by Introduction to HST, HST I, or HST II.

Speech - one-half credit. The credit may be selected from the following courses: Communication Applications and Professional Communications

Fine Arts – one credit. *Examples include: Art, Band, Choir, Digital Art Animation, Theatre and Principles & Elements of Floral Design.*

Computer course - one credit. One computer credit is needed as per l**ocal policy.** *Examples include: BIM (Business Information Management), PIT (Principles of Information Technology), Animation, Digital Art Animation, AP Computer Science.*

Elective Courses- four credits. Health and computer course are included. The credits may be selected from the list of courses specified in §74.61(j). All students who wish to complete the RHSP are encouraged to study each of the four foundation curriculum areas (English Language Arts, mathematics, science, and social studies) every year in high school.

Total Program and Elective credits: 26

No substitutions are allowed in the Recommended High School Program, except as specified in this chapter.

Distinguished Achievement Program (Ending with class of 2017)
(26 credits including four advanced measures)

English Language Arts - four credits. The credits must consist of English I, English II, English III, and English IV (Students with limited English proficiency who are at the beginning or intermediate level of English language proficiency, as defined by §74.4(d) of this title (relating to English Language Standards), may satisfy the English I and English II graduation requirements by successfully completing English I for Speakers of Other Languages and English II for SOLs).

Mathematics - four credits. Three of the credits must consist of Algebra I, Algebra II and Geometry. The fourth credit may be selected from the following courses after successful completion of Algebra I, Geometry and Algebra II: Precalculus; Independent Study Math; Advanced Quantitative Reasoning (AQR); AP Statistics; AP Calculus; AP Computer Science; AP/IB Math; Engineering Mathematics; Statistics and Risk Management; and mathematic courses endorsed by an institution on higher education.

Science - four credits. One credit must be a biology (Biology, AP Biology, IB Biology); a Chemistry (Chemistry, AP/IB Chemistry); and a Physics (Physics, AP/IB Physics). The fourth credit may be selected from the following laboratory—based courses: Aquatic Science; Astronomy; Earth and Space Science; Environmental Systems; AP/IB Biology; AP/IB Chemistry; AP/IB Physics; AP/IB Environmental Science; Scientific Research and Design; Anatomy and Physiology; Engineering Design and Problem Solving; Medical Microbiology; Path physiology; Advanced Animal Science; Advanced Biotechnology; Advanced Plant and Soil Science; Food Science; Forensic Science and science courses endorsed by an institution on higher education.

Social Studies – four credits. The credits must consist of World History Studies (one credit), World Geography Studies (one credit), U.S. History Studies since Reconstruction (one credit), U.S. Government and Economics- (one-half credit each).

Languages other than English - three credits. The credits must consist of any three levels of the same language.

Physical Education one credit The credits may be selected from a combination from the following one-half to one credit courses: Foundations of Personal Fitness; adventure/outdoor education; aerobic activities; athletics; JROTC; and appropriate private or commercially sponsored programs* for no more than one substitution credit. Up to one credit only for drill team, marching band; and cheerleading; *Not calculated into GPA.

Health Education - one-half credit. ***Local Policy*** May be satisfied by Health 1 or Advanced Health, or Health Science Technology—one credit, which may be satisfied by Introduction to HST, HST I, or HST II

Speech - one-half credit. The credit may be selected from the following courses: Communication Applications and Professional Communications

Fine Arts –one credit. *Examples include: Art, Band, Choir, Digital Art Animation, Theatre and Principles & Elements of Floral Design.*

Computer course -- one credit. One computer credit is needed as per l**ocal policy.** *Examples include: BIM (Business Information Management), PIT (Principles of Information Technology), Animation, Digital Art Animation, AP Computer Science.*

Elective Courses- three credits. Health and computer course are included. The credits may be selected from the list of courses specified in §74.61(j). All students who wish to complete the RHSP are encouraged to study each of the four foundation curriculum areas (English Language Arts, mathematics, science, and social studies) every year in high school.

Total Program and Elective credits: 26

No substitutions are allowed in the Distinguished Achievement High School Program, except as specified in this chapter.

Distinguished Achievement Program†(Ending with class of 2017)
(Advanced Measures)

A student also must achieve any combination of four of the following advanced measures. Original research/projects may not be used more than <u>two of the four</u> advanced measures. The measures must focus on demonstrated student performance at the college or professional level. Student performance on advanced measures must be <u>assessed through an external review process</u>. The student may choose from the following options:

(1) **Original research/project:**

(A) judged by a panel of professionals in the field that is the focus of the project; or

(B) conducted under the direction of mentor(s) and reported to an appropriate audience; and

(C) related to the required curriculum set forth in 19TAC§74.1 (relating to Essential Knowledge and Skills).

may not be used for more than **two of the four advanced measures. A student must declare in writing his or her intent to use a research project as an advanced measure before the end of his or her junior year. The agreement <u>and</u> timeline for completion must be approved and signed by student, parent, coordinating teacher, counselor and principal.*

(2) **Test data:**

(A) **a score of three or above** on The College Board Advanced Placement examination;

(B) a score of four or above on an International Baccalaureate examination;

(C) a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies a student for recognition as a Commended Scholar or higher by the College Board and National Merit Scholarship Corporation, as part of National Hispanic Recognition Program (NHPR) of The College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation. The PSAT/NMSQT score shall count as only one advanced measure regardless of the number of honors received by the student.

(3) **College academic courses**, including those taken for dual credit, and advanced technical credit courses, including locally articulated courses with a grade of 3.0 or higher. †

† Locally approved advanced technical credit courses, including locally articulated courses as part of a completed Program of Study. See counselors for questions.

Diploma Plans (Beginning with class of 2018)

(Entering Grade 9 in 2014-2015)
Updated Graduation requirements
January 31, 2014 (HB 5)
Chapter 74 Subchapter B

A student entering Grade 9 in the 2014-2015 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the Foundation High School Program (22 credits) specified in §74.12 of this title and the curriculum requirements for at least one endorsement (26 credits) specified in §74.13 of this title (relating to Endorsements). A student may graduate under the Foundation High School Program without earning an endorsement if, after the student's sophomore year: (1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and (2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the Texas Education Agency (TEA), allowing the student to graduate under the Foundation High School Program without earning an endorsement.

A student may earn a distinguished level of achievement by successfully completing the curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement required by the Texas Education Code (TEC),§28.025(b-15), including four credits in science and four credits in mathematics to include Algebra II. ***Eligible for Top 10% Automatic Admission***

A student may earn a performance acknowledgement on their diploma and transcript for outstanding performance on any of the following: (1) Completing at least 12 hours of college academic courses including those taken for dual credit and advanced technical credit. (2) In bilingualism and biliteracy (3) on a college AP or IB exam (4) on the PSAT, ACT-ASPIRE, SAT or ACT (5) for earning a nationally or internationally recognized industry certification.

HB5/TMISD Graduation Requirements

Foundation: 22 credits

English (4 credits)
English I, II and III, plus an advanced English course

Math (3 credits)
Algebra I, Geometry and an advanced math

Science (3 credits)
Biology, IPC or advanced science, and an additional advanced science course

Social Studies (4 credits)
World Geography, W. History, US History, US Gov't/Economics

Physical Education (1 credit)

Languages other than English (2 credits)

Fine Arts (1 credit)

Electives (2 credits)
CommApp or ProComm/Health (1 credit)
Computer Course (1 credit)

Foundation Requirements

A student may graduate under the foundation HS program without earning an endorsement if after their 10th grade year the student and parent are advised by a school counselor regarding the benefits of graduating with one or more endorsements and ***the parent*** *files written acknowledgement with a school counselor.*

Endorsements (Program of Study): 4-5 credits

STEM:
(Science, Technology, Engineering & mathematics)
- *Science*
- *Technology(computer science)*
- *Engineering*
- *Mathematics*

Arts & Humanities:
- *Art*
- *Dance*
- *Music*
- *Theater*
- *LOTE*

Business & Industry:
- *Agriculture Science*
- *Architecture & Construction*
- *Arts, A/V Technology and Communications*
- *Business, Management and Administration*
- *Finance*
- *Information Technology*
- *Manufacturing*
- *Marketing, Sales and Service*
- *Transportation and logistics (Auto Technology)*

Public Services:
- *Education and Training*
- *Health Sciences*
- *Human Services*
- *NJROTC*

Multidisciplinary Studies:
- *Workforce/College Preparedness*
- *Four by Four Core*
- *Advanced Placement*
- *Dual Credit*

Distinguished Level of Achievement

Eligible for Top 10% Automatic Admission

Curriculum for one endorsement, including 4 credits in science and 4 credits in mathematics including Algebra II

Performance Acknowledgement

For outstanding performance in Dual Credit, AP testing, PSAT, ACT-ASPIRE, SAT/ACT; industry certification or license

House Bill 5 -- Texas High School Diploma, Tuloso-Midway H.S.
(Beginning with class of 2018)

DISTINGUISHED
Eligible for Top 10% Automatic Admission

ALGEBRA II	ALGEBRA II	ALGEBRA II	ALGEBRA II	ALGEBRA II
STEM requirements: Alg. II, Chem. and Physics	**BUSINESS & INDUSTRY**	**ARTS & HUMANITIES**	**PUBLIC SERVICES**	**MULTI-DISCIPLINARY STUDIES**
STEM 1 MATH or CTE MATH 1 SCIENCE or CTE SCIENCE 2 ELECTIVES	1 MATH or CTE MATH 1 SCIENCE or CTE SCIENCE 2 ELECTIVES	1 MATH or CTE MATH 1 SCIENCE or CTE SCIENCE 2 ELECTIVES	1 MATH or CTE MATH 1 SCIENCE or CTE SCIENCE 2 ELECTIVES	1 MATH or CTE MATH 1 SCIENCE or CTE SCIENCE 2 ELECTIVES

ENDORSEMENTS- 26 CREDITS

FOUNDATION - 22 CREDITS
4 ENGLISH LANGUAGE ARTS (ELA I, II, III, & advanced English)
3 MATHEMATICS (Algebra 1, Geometry & 1 advanced math)
4 SOCIAL STUDIES (World Geography, World History, US History, Government/Economics)
3 SCIENCE (Biology, IPC or advanced science, and additional advanced science)
2 FOREIGN LANGUAGES
1 FINE ARTS
.5 HEALTH
.5 SPEECH
1 COMPUTER COURSE
1 PHYSICAL EDUCATION
2 ELECTIVES

Performance Acknowledgement
For outstanding performance in Dual Credit, AP, PSAT, ACT-ASPIRE, SAT or ACT; industry certification or license

Programs of Study & Endorsements

STEM
Science, Technology, Engineering and Math

Business & Industry

Public Services

Arts & Humanities

Multidisciplinary Studies

College and Career Readiness

With the enactment of House Bill (HB 3), the legislature requires that End of Course Exam (EOC) assessments measure college and career readiness according to content standards jointly developed by the state's K-12 education and higher education agencies.

The Texas Education Agency (TEA) and the Texas Higher Education Coordinating Board (THECB) have worked closely to develop a plan for the college and career readiness component of STAAR EOC assessments.

College Readiness is the level of preparation a student needs in order to enroll and succeed, without remediation, in credit bearing general education post-secondary institutions.

Career Readiness is the level of preparation a student needs for entry into the skilled workforce; additionally, with the capability to adjust to the rapidly changing work environments. These skills include: Academic Skills (no remediation needed); Employment Skills (use of soft skills such as critical thinking and responsibility) and Technical Skills (job-related skills to a specific career Program of Study/credentialing possible).

Programs of Study have been developed which represent a recommended sequences of coursework designed to support college and career readiness based on a student's interest or career goal. The purpose is for the students to achieve the competencies and skills graduating high school students must possess in order to be successful in higher education and beyond.

Career concentrations in high school help students transition into career preparation in postsecondary education programs such as apprenticeship, certificate, technical, military, 2 year 4 year and/or professional.

Programs of Study/Endorsements

&

Course Descriptions

Visit the High School Go Center located in the Counseling Office for more information.
Full course descriptions and objectives can be found at http://www.tea.state.tx.us/.

* NOTE: Availability of courses offered is based upon a minimum enrollment of students.

Agriculture, Food & Natural Resources

Business & Industry

Principles of Agricultural, Food, and Natural Resources
2 semester/1 credit/1 period
Grade Placement: **9-12**
This course will prepare students for careers in agriculture, food, and natural resources. This course allows students the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Livestock Production (Fall)
1 semester/.5 credit /1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food, and Natural Resources
This course will prepare students for careers in the field of animal sciences. This course will allow students an opportunity to develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to: beef cattle, swine, sheep, goats, and poultry.

Small Animal Management (Spring)
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food, and Natural Resources, Livestock Production
This course will prepare students for careers in the field of animal sciences. This course will allow students an opportunity to develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include: small mammals, amphibians, reptiles, avian, dogs, and cats.

Equine Science
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food and Natural Resources, Livestock Production
This course will prepare students for careers in the field of Animal Science or Equine Science. To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules.

Veterinary Medical Application
2 semester/1 credit/1 period
Grade Placement 11-12
Prerequisite: one credit from any of the following: Livestock Production, Small Animal Management or Equine Science.
This course will prepare students for careers in the field of animal science. This course will allow students an opportunity to learn, reinforce, apply, and transfer knowledge, skills, and technologies in a variety of settings. Topics covered in this course include, but not limited to: veterinary practices as they relate to both large and small animal species.

Advanced Animal Science **can count as 4th year science if taken in science sequence
2 semesters/ 1 credit/1 period
Grade Placement: 12
Prerequisite: one credit from any of the following courses: Livestock Production, Equine Science or Small Animal Management.
This course will prepare students for careers in the field of animal science. This course will allow the students an opportunity to acquire skills related to animal systems, interrelatedness of human, scientific, and technological dimensions of livestock

production. Instruction applies scientific and technological aspects of animal science through field and laboratory experiences. **To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).**

Horticulture Science
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food, and Natural Resources or Floral Design
This course will prepare students for careers in horticultural systems. It will allow students to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

Principles and Elements of Floral Design (can count as a fine arts credit)
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: No Prerequisites
This course will prepare students for careers in floral design. This course will allow students to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.

Landscape Design and Turf Grass Management
1 semester/.5 credit /1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food and Natural Resources
This course will prepare students for careers in horticultural systems. This course will allow students to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop an understanding of landscape and turf grass management techniques and practices.

Advanced Plant and Soil Science (can count as 4th year science if taken in science sequence)
2 semester/1 credit/1 period
Grade Placement: 12
Prerequisite: One credit from any of the following courses: Horticulture Science, Principles and Elements of Floral Design, Landscape Design or Turf Grass Management
Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

Introduction to Agricultural Mechanics and Metal Technologies
2 semester/1 credit /1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food and Natural Resources
This course will allow students to be prepared for careers in agricultural power, structural, and technical systems. This course will allow students to acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Agricultural Facilities Design and Fabrication
2 semester/1 credit /1 period
Grade Placement: 10-12
Prerequisite: Intro to Agricultural Mechanics and Metal Technologies
To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Wildlife, Fisheries, and Ecology Management
1 semester/.5 credit /1 period
Grade Placement: 9-12
Prerequisite: No prerequisite
To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices.

Practicum in Agriculture, Food and Natural Resources
2 semesters/ 2 credits/2 periods
Grade Placement 11-12
Prerequisite: One credit in any agriculture course.
This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorship's, or laboratories.

Professional Communications (counts for speech credit)
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: No prerequisite
Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Extracurricular Activity**:** FFA activities are an integral part of the Agricultural Science and Technology Education program. Opportunities for developing skills in leadership, cooperation, and citizenship are provided through extension of classroom/laboratory learning experiences by membership and participation in FFA.

Business & Industry

Interior Design
2-semesters/1 credit/1 period
Grade Placement: 10-12
Recommended Prerequisite: Algebra I
This course will explore the design process for interiors. We will be using Chief Architect to design, build and furnish interiors. We will look at design considerations, furniture designs, modern interiors, swimming pools and entertainment area design. Kitchen and bath designs and space planning for commercial locations and performer stage design. *This course does not satisfy the technology requirement for graduation.*

Architectural Design
2-semesters/1 credit/1 period
Grade Placement: 10-12
Recommended Prerequisite: Algebra I or Geometry
Introduction.to Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purpose. We will be using Chief Architect and AutoCad Revit for home design. Designs will be several types of residential homes and some commercial building like apartments, restaurants. *This course does not satisfy the technology requirement for graduation.*

Advanced Architectural Design
2 semesters /1 credit/1period
Grade Placement: 11-12
Prerequisite: Architectural Design or Interior Design
In Advanced Architectural Design, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Several detailed drawings with blue prints along with landscaping and grounds will be covered. *This course does not satisfy the technology requirement for graduation.*

See Fine Arts on pg. 63 for other fine arts courses.

See Information Technology on pg. 35 and Technology Applications on p. 69 for other computer courses.

Professional Communications
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: **No prerequisite**
Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. *This course fulfills the speech requirement for graduation.*

Animation
2-semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: PIT, Art I recommended
Students will develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications careers and develop an understanding of the history and techniques of the animation industry. *This course fulfills technology requirement for graduation.*

Advanced Animation
2-semesters / 2 credits/ 2 periods
Grade Placement: 11-12
Prerequisite: Animation
Students will develop advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster and will be expected to create two- and three dimensional animations.

Audio/Visual Production
2-semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: BIM I
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Business & Industry

Touch System Data Entry
1 semester/.5 credit /1 period
Grade Placement: 9-12
Students apply technical skills to address business applications of emerging software. Students will need to apply touch system data entry for production of business documents.

Business Information Management I
2-semesters/1 credit/1 period
Grade Placement: 9-12
Students implement personal and interpersonal skills to strengthen individual performance in the workplace by applying 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. If you have taken this course, you do not need Principles of Information Technology (PIT). *This course fulfills the local technology credit requirement*

Business Information Management II
2-semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Business Information Management I (BIM)
This course provides advanced technology skills required in the business environment; includes work place technology standards in applications of word processing, spreadsheets, databases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies. Students are required to do several projects including preparing a personal portfolio for employment purposes, developing a business project, designing a database to develop a sales forecast presentation, and creating and interpreting financial statements.

Business Law
1 Semester/.5 credit/1 period
Grade Placement: 11-12
Students apply technical skills to address business applications of contemporary legal issues such as legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept agency and employment, and real property.

Business Law DC *weighted course-not UIL exempt*
1 Semester/.5 credit/1 period/3 college credit hours
Grade Placement: 11-12
Prerequisites: Must meet assessment level: R3, E3, M1
This course is an introduction to the legal systems of government, business, and society. It covers the principles of law which form the legal framework for business activity. If a student drops this class, he/she will be required to reimburse the district for the cost of the online access code.

Business Management
2 semesters/1 credit/1 period
Grade Placement: 10-12
Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Practicum in Business Management
2-semesters/2 credits/1period
Grade Placement: 12
Prerequisite: Business Information Management I and Business Management
The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience.

Business Computer Information Systems Dual Credit *weighted course-not UIL exempt*
Del Mar College
1-semester/1 credit/3 college hours
Grade Placement: 11-12
Prerequisite: Must meet assessment levels: R3, E1, M1 and Business Information Management I
Course discusses business computer terminology, hardware, software, operating systems, and information systems relating to the business environment. If a student drops this class, he/she will be required to reimburse the district for the cost of the online access code.

Public Services

Ready, Set Teach!
Instructional Practices in Education and Training (2 credits)
2 Semesters / 2 credits/2 periods
Grade Placement: 11 -12
Prerequisites: recommended Child Development or Child Guidance
Required: fill out application and teacher approval
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 work under the joint directions and supervision of both a teacher with knowledge of early childhood educational and educators in elementary school aged students. The student explores the teaching profession; the student participates in field-based; experiences in education and training; learn to plan and direct individualized instructions and group activities; prepare instructional materials; develop materials for educational environments; and assist with record keeping and complete other responsibilities of teachers

Principles of Human Services

Child Development

Interpersonal Studies

Child Guidance

See Human Services section

Business & Industry

Principles of Business, Marketing, & Finance
2 semesters/1 credit/1 period
Grade Placement: 9-12
Students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Money Matters
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Business, Marketing, & Finance
Students will investigate global economics with emphasis on free enterprise systems, personal finance and its impact on consumers and businesses.

Accounting I
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Business, Marketing, & Finance
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, as well as the accounting equations, functions, cycle and specialized procedures.

Accounting II
2 semesters/ 1 credit/1 period
Grade Placement: 11-12
Prerequisite: Accounting 1
Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors.

Principles of Accounting I – Financial Dual Credit *weighted course-not UIL exempt*
Del Mar College Fall (ACCT 2301) 1-semesters/1 credit/3 college hours
Grade Placement: 11-12
Prerequisite: Accounting 1 and met Del Mar College assessment criteria: TSI scores of R3, E2, M2
Accounting concepts and their application in transaction analysis and financial statement preparation; analysis of statements, and asset and equity accounting in proprietorships, partnerships, and corporations. Introduction to cost behavior, budgeting, responsibility accounting, cost control, and product coasting.

Principles of Accounting II – Managerial Dual Credit *weighted course-not UIL exempt*
Del Mar College Spring (ACCT 2302)
1 semester/1 credit/3 college hours
Grade Placement: 11-12
Prerequisite: Principles of Accounting I and met Del Mar College assessment criteria: TSI scores of R3, E2, M2
This course is a continuation of accounting concepts and their application in transaction analysis and financial statement preparation; analysis of statements, asset and equity accounting in proprietorships, partnerships, and corporations. Introduction to cost behavior, budgeting, responsibility accounting, cost control, and product costing. These courses prepare students for entry-level positions in accounting and/or provide them with college credits which are required to receive a Bachelor of Business Administration.

Public Services

The medical profession is predicted to be one of the fastest growing occupations for the next 10 years and as such these courses could be a great opportunity to get a head start in these careers while in high school. In addition, advanced sciences and mathematics are recommended.

Principles of Health Science
1 semester/ 0.5 credit/1 period
Grade Placement: 9-12
Corequisite: Biology
This entry-level Health Science course provides an overview of the diverse aspects of the health care industry. These include, but are not limited to, interpreting technical materials, describing biological processes and communicating using medical vocabulary.

Medical Terminology
1 semester/ .5 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Health Science
Corequisite: Biology
This is a beginning course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. It is important in the Health Science field for students to be able to break apart a word and understand its meaning. This knowledge and skill is applied during further education and employment.

Health Science
2 semesters/ 1 credit/1 period
Grade Placement: 10-11
Prerequisite: Principles of Health Science, Medical Terminology & Biology
This course includes, but it is not limited to changes in structure and function due to trauma and disease. Students will perform diverse simulated tasks used in the health care setting. These will be done in our Health Science Lab.

Practicum in Health Science I (Hospital Rotation)
1 semester/ 2 credits/2 periods
Grade Placement: 11-12
Prerequisite: Principles of Health Science, Medical Terminology, Health Science, & Biology
Recommended Corequisite: Anatomy and Physiology
The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions. A significant portion of the work required in this course will be performed at local health care facilities.

Practicum in Health Science II (CNA, PCT, Phlebotomy/EKG, or Pharmacy Technician Certification Courses)
1 semester / 2 credits/2 periods
Grade Placement: 12
Prerequisite: Principles of Health Science, Medical Terminology, Health Science, Biology, & Practicum in Health Science I
Recommended Corequisite: Anatomy & Physiology
These courses provide a deeper understanding of diagnostic and therapeutic procedures as well as biotechnology research. A significant portion of the work required in these courses will be performed at local health care facilities.
Certifications may be possible through dual enrollment TMHS and Del Mar College. Must meet testing requirements and have satisfied prerequisite requirements; see your counselor for more information.
The following certifications may be offered:

- **Certified Nursing Assistant /Aide(CNA) [**NURA 1001 (Lecture and Lab Skills) and NURA 1060 direct supervision clinical setting]
  ***CNA can be taken without a prerequisite, but Principles of Health Science Recommended.** Nurse Aides help care for physically or mentally ill, injured, disabled, or **infirm** individuals confined to hospitals, long term care nursing facilities, and mental health settings. Aides perform routine tasks under the supervision of nursing and medical staff. Student must be 17 at time of certification exam.
- **Emergency Medical Technician (EMT) DC [**EMSP 1501 and EMSP 2160 clinical rotations: ER, hospital, fire station] ***EMT can be taken without a prerequisite, but Principles of Health Science Recommended.** Preparation for certification as an Emergency Medical Technician (EMT) – Basic include all the skills necessary to provide emergency medical care at a basic life support level with an emergency service or other specialized services. Student must be 18 at time of enrollment. Assessment Levels: R1, E1, M1.
- **Pharmacy Technician –** Students will train to become certified Pharmacy Technicians. This course will include hands-on experience in the pharmacy setting and a classroom experience**.**
- **Phlebotomy/Electrocardiogram (EKG) [PLAB 1023, ECRD 1011]**
  This is a semester long course that enables students to get certifications in phlebotomy and EKG. The EKG certification course includes the fundamentals of cardiovascular anatomy and physiology. It includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Students will be able to describe the anatomy and physiology of the cardiovascular system; perform basic electrocardiography procedures; interpret basic dysrhythmias; and demonstrate appropriate treatments. This experience will require experience at local health care facilities. Students, under supervision will perform. The phlebotomy course enables students to develop skills in the performance of a variety of blood collection methods using proper techniques and universal precautions.
- **Patient Care Technician (PCT) [PLAB 1023, ECRD 1011, NURA 1001, NURA 1060]**
  This is a year-long course that will enable students to gain their certifications in Phlebotomy, EKG, and Certified Nursing Assistant. They will ultimately be able to take their Primary Care Technician Test and be certified as Primary Care Technicians. All certifications require lab experience which will be at local health care facilities. Please refer to course descriptions above.

CNA, Phlebotomy, EKG, PCT, Pharmacy Technician and EMT--*weighted courses-not UIL exempt*

Public Services

Principles of Human Services
2 semesters/1 credit/1 period
Grade Placement: 9-12
This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early child hood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high wage, or high demand human services careers.

Dollars and Sense
1 semester/ .5 credit/1 period
Grade Placement: 10-12
Recommended Prerequisite: Principles of Human Services
This course focuses on management of financial resources and obligations to meet personal and family needs across the life span. The course addresses consumer rights and responsibilities, family and spending decisions, issues affecting consumers and the U.S economy.

Lifetime Nutrition and Wellness
1 semester/.5 credit/1 period
Grade Placement: 10-12
Recommended Prerequisite: Principles of Human Services
This laboratory course concentrates on nutrition, food choices and food management skills for individuals and the family throughout the life cycle. Instruction addresses nutrition and food science from the perspective of food habits; menu planning; special dietary needs; food costs and budgeting, consumer food buying strategies, food safety and sanitation procedures; food label; technology implications, and food handling, storage and preparation practices. Meal etiquette, career options and techniques for managing multiple families and communities and wage earner roles are part of the content.

Interpersonal Studies
1 semester/.5 credit/1 period
Grade Placement: 10-12
Recommended Prerequisite: Principles of Human Services
This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Child Development
1 semester/.5 credit /1 period
Grade Placement: 10-12
Recommended Prerequisite: Principles of Human Services
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.

Child Guidance
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Human Services and Child Development
This technical laboratory coarse addresses the knowledge and skills related to child growth and guidance. The student will be equipped to develop positive relationships with children and effective caregiver skills. This class is used to pursue careers in care, guidance and education of children, including those with special needs.

Business & Industry

Principles of Information Technology
2 semesters/1 credit/1 period
Grade Placement: 9-12
Students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. This course focuses on developing business skills and knowledge while teaching skills in Word, Excel, Access, and PowerPoint. Students will develop interpersonal, communication, and reasoning skills to prepare them for a rapidly evolving workplace environment.

Web Technologies
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Information Technology
Students will design, publish and update web pages, make interactive websites, analyze traffic data, and develop an understanding of how web servers deliver secure content.

Digital and Interactive Media
1 semesters/.5 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Information Technology
Students will learn to create multi-media projects that address customers' needs and resolve problems. Projects will require student to design and create digital graphics, appropriately use animations, and audio, and video equipment while demonstrating project management skills needed to deploy digital media into print, web-based and video products.

Computer Maintenance
2 semesters/ 1 credit/1 period
Grade Placement: 10-12 *
Prerequisite: Principles of Information Technology
Students learn how to build computers, set up networks, and security. Students will have the ability to evaluate computer components. And make informed decision of which part are the best value and most reliable. There is also the ability to secure certifications to enable entry into the Computer Repair Business and IT employment.

Research in Information Technology Solutions
2 semesters/2 credits/ 2 periods
Grade Placement: 12
Prerequisite: Animation and one other Information Technology course
Students gain advanced knowledge and skills in the application, design, production, implementation, evaluation, and assessment of products, services, and systems. Critical thinking, information technology experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid internship, or as career preparation.

Telecommunications and Networking
2 semesters/ credit/ 1 periods
Grade Placement: 10-12
Recommended Prerequisite: Principles of Information Technology & Computer Maintenance
Students will learn how to network computers, install routers, switches, and configure servers, video cameras, and communications. Troubleshoot connectivity and wireless technologies. This course will lead to entry level positions dealing with networks and cable industries.

Geographic Information Systems (GIS)
2 semesters/1credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Information Technology
Geographic Information Systems is a course designed to introduce students to Geographic Information Systems and Remote Sensing technology through academic study and applied instruction.

Public Services

Principles of Law, Public Safety, Corrections, and Security
2 semesters/ 1 credit/1 period
Grades 9-12
Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

Law Enforcement I* ***(Pending school board approval)***
2 semesters/ 1 credit/1 period
Grades 10-12
Prerequisite: Principles of Law, Public Safety, Corrections, and Security
Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Court Systems and Practices* ***(Pending school board approval)***
2 semesters/ 1 credit/1 period
Grades 10-12
Prerequisite: Principles of Law, Public Safety, Corrections, and Security
Recommended Corequisite: Law Enforcement I
Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Business Law: *see p. 28*

Principles of Agricultural, Food, and Natural Resources
2 semester/1 credit/1 period
Grade Placement: **9-12**
This course will prepare students for careers in agriculture, food, and natural resources. This course allows students the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Introduction to Agricultural Mechanics and Metal Technologies
2 semester/1 credit /1 period
Grade Placement: 9-12
Prerequisite: Principles of Agricultural, Food and Natural Resources
This course will allow students to be prepared for careers in agricultural power, structural, and technical systems. This course will allow students to acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Agricultural Facilities Design and Fabrication
2 semester/1 credit /1 period
Grade Placement: 10-12
Prerequisite: Intro to Agricultural Mechanics and Metal Technologies
To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Welding I
2 semesters / 2 credits/ 2 periods
Grade Placement 11-12
Prerequisite: Introduction to Agricultural Mechanics and Metal Technologies
Recommended Prerequisite: Algebra 1
This course provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Physical Requirements:

- help move heavy equipment
- assist in lifting, positioning and fastening objects
- ability to work in confined spaces
- carry material and tools form location to location or from floor to floor
- work from extension ladders and scaffolds at various heights
- work under hot or cold weather conditions
- lift and work with tools and equipment above head

Introduction to Welding (WLDG 1407) *weighted course-not UIL exempt*
Del Mar College
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
Corequisite: Must take with WLDG 1521
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).

Welding Fundamentals (WLDG 1521) *weighted course-not UIL exempt*
Del Mar College
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
Corequisite: Must take with WLDG 1435
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.

Welding Safety, Tools, and Equipment (WLDG 1323) *weighted course-not UIL exempt*
Del Mar College
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
An introduction to welding careers, equipment and safety practices, including OSHA standards for industry.

Intermediate Shielded Metal Arc Welding (WLDG 1557) *weighted course-not UIL exempt*
Del Mar College
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
Corequisite: Must take with WLDG 1435
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.

Introduction to Pipe Welding (WLDG 1435) *weighted course-not UIL exempt*
Del Mar College
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
Corequisite: Must take with WLDG 1557
An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on Weld positions 1G and 2G using various electrodes.

Business & Industry

Principles of Business, Marketing, & Finance
2 semesters/1 credit/1 period
Grade Placement: 9-12
Students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Entrepreneurship
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Business, Marking, and Finance
Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

Advertising and Sales Promotion
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Principles of Business, Marking, and Finance
Advertising and Sales Promotion is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Retailing and E-tailing
1 semester/.5 credit/1 period
Grade Placement: 9-12
Prerequisite: Principles of Business, Marking, and Finance
Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios.

Sports and Entertainment Marketing
1 semester/.5 credit 1 period
Grade Placement: 9-12
Prerequisite: Principles of Business, Marking, and Finance
This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

Marketing Dynamics (2– 3 credits)
2 semesters /2-3 credits/1 period
Mkt x 2 •2 Credits - Student must work at an approved training station a minimum of 10 hours per week
Mkt x 3 •3 Credits - Student must work at an approved training station a minimum of 15 hours per week
Grade Placement: 11-12
Prerequisite: Principles of Business, Marketing, and Finance
Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience. Students may not enter in the spring semester without prior experience in the fall semester curriculum. Students must be 16 years old prior to the first day of school.
Students must register for all required courses before enrolling in the work-study program.

Practicum in Marketing Dynamics (2 – 3 credits)
2 semesters/2-3 credits/1 period
Prac Mkt x 2 •2 Credits - student must work at an approved training station a minimum of 10 hours per week
Prac Mkt x 3 •3 Credits - student must work at an approved training station a minimum of 15 hours per week
Grade Placement: 12
Prerequisite: Marketing Dynamics
Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer- service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. In this course, students will emphasize day-to-day management functions performed by marketing professionals. Students will apply knowledge and skills learned in the previous marketing education courses to management-oriented challenges. They will analyze the impact of marketing in a global economy and to people of other cultures and demographics. Students will apply economic concepts to responsibilities of marketing management and international marketing. Students may not enter in the spring semester without prior experience in the fall semester curriculum. Students must be 16 years old prior to the first day of school.
Students must register for all required courses before enrolling in the work-study program.

Work-Based Learning Levels 1-4 (Meets elective work-based Individual Education Plans)
2 semester/1-3 local credits/1-3 periods
Grade Placement: 9-12
Courses are designed to meet the occupational training IEP for student's electives plan.

Concepts of Engineering and Technology
2 semesters/ 1 credit/1 period
Grade Placement: 9-12
Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use AutoCad and Inventor to design mechanical parts and assemblies. Upon completing this course, students will have an understanding of the various Engineering fields and be able to read mechanical blue prints and design mechanical parts. This course will give them an insight into which engineering field they might want to pursue. *This course does not satisfy the technology requirement for graduation.*

Engineering Design and Presentation
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Concepts of Engineering and Technology
Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields to produce and present working drawings, solid model renderings, and prototypes. Students will use AutoCad software 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. This course is designed to provide skills which can be used to gain employment at refineries, machine shops, mechanical manufacture's (oil rig building etc) *This course does not satisfy the technology requirement for graduation.*

Engineering Math (may be used as a fourth math)
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Algebra 2
In Engineering Mathematics, students will solve and model robotic design problems. Students will use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

Aero- Sciences [Rocket Science] (Scientific Research and Design)
2-semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Biology, IPC or Chemistry, Physics and Algebra 1.
The Aero-science program offers junior and senior high school students an opportunity to participate in a hands-on, project-based engineering and technology program in aero-science studies. Students experience hands-on research as well as design and development instruction within the engineering and technology design disciplines. Valuable life skills such as problem-solving, testing and analysis, documentation and reporting, project management, teamwork and communication are developed. These applied philosophies of education are imperative in supporting tomorrow's workforce needs. Our curriculum, endorsed by NASA, is a two-year, junior/senior program in which students design and develop remotely operated vehicles and unmanned aerial vehicles for research or industrial applications. The program encourages students to pursue engineering and technology careers in the American workforce.

Aero - Sciences II [Advanced Rocket Science] (Scientific Research and Design II)
2-semesters/1 credit
Grade Placement: 12
Prerequisites: Suborbital Aero-Science I.
This is an upper level science course designed to prepare high school students for the rigors of a technical or engineering college curriculum and provide an introduction to the practices and procedures within the technical workforce. The course curriculum is to the award winning Ignite: Systems Go Aero-science curriculum with a goal of reaching speeds of Mach 1 in a student built rocket.

Business & Industry

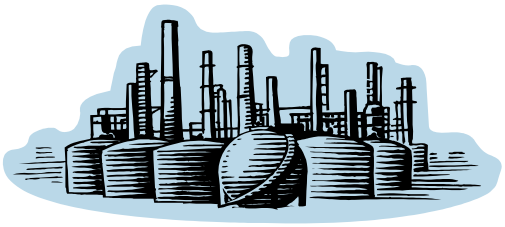
Introduction to Automotive (Energy, Power & Transportation Systems)
2 semesters/1 credit/1 period
Grade placement: 10-12
Prerequisite: This course is required for the Automotive Program of study
This is an introductory program that covers the employability, leadership, and technical skills necessary to enter the fields of energy, power, auto upkeep, SP2 safety training, and transportation systems.

Automotive Technology (Auto 1)
2 semesters/2 credits/2 periods
Grade Placement: 11-12
Prerequisite: Energy, Power, and Transportation Systems
In this 2-hour block pre-employment lab, instruction is designed to provide job-specific and employability training for entry-level employment in the automotive and service career fields. Emphasis is placed on electrical and electronic systems and brakes**.** Students will receive basic CAT training and soft skills training. ***Note: This course is an intensive, self-paced program focused on multiple ASE test areas which upon completion and successful testing, may result in national certification by the Automotive Services Excellence Organization.***

Advanced Automotive Technology (Auto 2)
2 semesters/2 credits/2 periods
Grade Placement: 12
Prerequisite: Automotive Technology
This is a 2-hour block pre-employment lab in which instruction is designed to provide technical training for entry-level employment in the automotive and service career fields. Emphasis is placed on engine performance, fuel injection, steering, suspension, and wheel alignment. Students will receive basic CAT training and soft skills training**.** Students will be given an aptitude test prior to beginning apprenticeship program.
NOTE: An intensive self-paced program focused on multiple ASE test areas which, upon completion and successful testing, may result in national certification by the Automotive Services Excellence Organization.

*represents a deviation from the state recommendations

OTHER CTE COURSES FOR CERTIFICATION or DUAL CREDIT



Business & Industry

PROCESS TECHNOLOGY

Process technology prepares students for employment as process operators/technicians in the petrochemical, refinery, power generation, oil and gas production and other industries. The curriculum provides education in the areas of applied physical science, basic computer principles, operating equipment, instrumentation systems, process systems, statistical quality control, reactors, distillation process, safety, process troubleshooting, and basic proficiency in English, reading and mathematics.

The program is designed to gain the knowledge and skills to operate shutdown, problem solve and troubleshoot industrial processes. The vision is the implementation of a transitional program which can begin with the attainment of a Certificate in Process Technology continued by two – three semesters at Del Mar College leading to an Associate Degree in Applied Science: Process Technology

Introduction of Process Technology (PTAC 1302) Fall *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1.
Introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations; plant organizations; plant process utility systems; and the physical and mental requirements of the process technician.

Safety, Health, and Environment I (PTAC 1308) Spring *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1
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.

Industrial Mathematics (TECM 1301) Fall *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1.
Introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations; plant organizations; plant process utility systems; and the physical and mental requirements of the process technician.

Computer Integration (CPMT 2333) Spring *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Assessment Levels: R1, E1, M1.
Integration of hardware, software, and applications. Addresses the customization of computer systems for specific engineering applications.

Process Technology I: EQUIPMENT (PTAC 1410) Fall *weighted course-not UIL exempt*
Del Mar College (4 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Introduction of Process Technology (PTAC 1302)
Instruction provided in the use of common process equipment.

Process Instrumentation 1: EQUIPMENT (PTAC 1432) Spring *weighted course-not UIL exempt*
Del Mar College (4 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Introduction of Process Technology (PTAC 1302) Instruction provided in the use of common process equipment.
Study of instruments and instrument systems used in process technology.

Safety, Health, and Environment II (PTAC 2348) Fall *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: Safety, Health, and Environment I (PTAC 1308)
Continued instruction in the application of concepts presented in Safety, Health and Environment I. Emphasis on emergency response concepts.

Special Topics in Communication (COMG 1391) Spring *weighted course-not UIL exempt*
Del Mar College (3 college hours)
1 semester/ 0.5 credit/1 period
Grade Placement: 11-12
Prerequisite: R1, E1, M1
Addresses skills, knowledge, and behaviors pertinent to technology or the occupation.
*This course satisfies the speech requirement for graduation.

CRAFT TRAINING CENTER

These courses require elective space in your schedule for a three period class. Students travel by school bus to and from the Craft Training Center.

Business & Industry

Electrical Level I
2 semesters/2 credits/3 periods
Grade Placement: 11-12
Prerequisite: Some essential physical requirements

NCCER craft training uses the foundation core curriculum which includes electrical safety; hand bending; fasteners and anchors; electrical theory; electrical test equipment; introduction to the National Electrical Code; raceways; boxes and fittings; conductors; electrical blueprints; commercial, industrial and residential wiring. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).

Physical Requirements:

- Drug screen required
- Help move heavy equipment
- Assist in lifting, positioning and fastening objects
- Ability to work in confined spaces
- Carry material and tools form location to location or from floor to floor
- Work from extension ladders and scaffolds at various heights
- Work under hot or cold weather conditions
- Lift and work with tools and equipment above head

Upon successful completion of all written and performance modules, the student will be awarded an Electrical Level I and core completion certificates from NCCER.

Electrical Level II
2 semesters/2 credit/3 periods
Grade Placement: 11-12
Prerequisite: Core Curriculum and Electrical Level I.

This NCCER course takes the new electrical craft worker through the second level of electrical training. Topics include: Alternating Current; Grounding: Conduit Bending; Boxes and Fittings; Conductor Installations; Cable Tray; Conductor Terminations and Splices; Installment of Electric Services; Circuit Breakers and Fuses; Contactors and Relays; Electric Lighting. Students will become registered apprentices with the Bureau of Apprenticeship and Training as part of the Associated Builders & Contractors Texas Coastal Bend Apprenticeship Program (indentured) at the beginning of the second year. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided). Physical Requirements: See physical requirements for Electrical Level I.

Other Requirements:

- Successfully complete the eleventh (11^{th}) grade
- Must be seventeen (17) years old (requires proof of age)
- Photo identification card
- Means of transportation (school bus)
- Pass Math Test (Calculators not permitted)
- Electrical Committee interview

Instrumentation Level I
2 semesters/2 credits/3 periods
Grade Placement: 11-12
Prerequisite: Some essential physical requirements.

NCCER craft training uses the foundation core curriculum which includes hand tools for instrumentation; electrical safety; power tools for instrumentation; electrical systems for instrumentation; metallurgy for instrumentation, fasteners; instrument drawing & documentation. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).

Physical Requirements: See physical requirements for Electrical Level I. Upon successful completion of all written and performance modules, the student will be awarded an Instrumentation Level I and core completion certificates from NCCER.

Instrumentation Level II
2 semesters/2 credit/3 periods
Grade Placement: 11-12
Prerequisite: Core Curriculum and Instrumentation Level 1
This NCCER course takes the student through the second level of instrumentation training. Topics include: Craft-Related Mathematics; Instrument Drawings & documentations-Part two; Principles of welding for instrumentation; Detectors; Secondary Elements; Transducers & Transmitters; Controllers, Recorders & Indicators; Filters, Regulators & dyers; Analyzers & Monitors; Panel-mounted Instruments. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).
Physical Requirements: See physical requirements for Electrical Level I.

Pipefitting Level I (fall)
1 semester/1 credit/3periods
Grade Placement: 11-12
Prerequisite: Some essential physical requirements
NCCER craft training uses the foundation core curriculum which includes orientation to the trade; pipefitting power tools; oxyfuel cutting; ladders and scaffolds; motorized equipment. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).
Physical Requirements: See physical requirements for Electrical Level I. Upon successful completion of all written and performance modules, the student will be awarded a Pipefitting Level I and core completion certificates from NCCER.

Pipefitting Level II (spring)
1 semester/1 credit/3 periods
Grade Placement: 11-12
Prerequisite: Some essential physical requirements and Pipefitting I
NCCER craft training using the foundation core curriculum which includes level II piping systems; drawing and detail sheets; identifying and installing valves; pipefitting trade math; threaded pipe fabrication; socket weld pipe fabrication; butt weld fabrication; excavations; underground pipe installation. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).
Physical Requirements: See physical requirements for Electrical Level I. Upon successful completion of all written and performance modules, the student will be awarded an Instrumentation Level I and core completion certificates from NCCER.

Pipefitting Level III (fall)
1 semester/1 credit/3 periods
Grade Placement: 12
Prerequisite: Some essential physical requirements and Pipefitting I & II
This NCCER course takes the student through the second level of instrumentation training. Topics include: Rigging Equipment; Rigging Practices; Standards and Specifications; Advanced Trade Math; Motorized Equipment II; Introduction to Aboveground Pipe Installation; Field Routing and Vessel Trim; Pipe Hangers and Supports; Testing Piping Systems and Equipment. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided). Physical Requirements: See physical requirements for Electrical Level I. Upon successful completion of all written and performance modules, the student will be awarded an Instrumentation Level I and core completion certificates from NCCER.

Pipefitting Level IV (spring)
1 semester/1 credit/3 periods
Grade Placement: 12
Prerequisite: Some essential physical requirements and Pipefitting I, II &III
This NCCER course takes the student through the second level of instrumentation training. Topics include: Planning Work Activities; Advanced Pipe Fabrication; Performing NDE Testing; Stress Relieving and Aligning; Steam Traps; Inline specialties; Special Piping; Hot Taps; Maintaining Valves. This course requires elective space in your schedule for a two period class time and travel to and from the Craft Training Center (bus provided).
Physical Requirements: See physical requirements for Electrical Level I. Upon successful completion of all written and performance modules, the student will be awarded an Instrumentation Level I and core completion certificates from NCCER.

Welding Level II
2 semesters/2 credits/3 periods
Grade Placement: 12 Prerequisite: Welding I

CORE COURSE DESCRIPTIONS

ENGLISH

The English Language Arts and Reading Texas Essential Knowledge and Skills (TEKS) are organized into the following strands: **Reading**, where students read and understand a wide variety of literary and informational texts; **Writing**, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; **Research**, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; **Listening and Speaking**, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and **Oral and Written Conventions**, where students learn how to use the oral and written conventions of the English language in speaking and writing. The standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade.

English 1
2 semesters/1 credit/2 periods
Grade Placement: 9
Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis.

English 1 Pre-AP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/2 periods
Grade Placement: 9
This rigorous English Pre-AP course is designed for freshmen of advanced ability and will help students become skilled readers of prose and poetry, written in a variety of periods, disciplines, and rhetorical contexts. Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

English 1 SOL (English 1, for speakers of other languages)
2 semesters/1 credit/2 periods
Grade Placement: 9
Placement in English for Speakers of Other Languages (ESOL) courses is determined by the Language Proficiency Assessment Committee (LPAC).

English 2
2 semesters/1 credit/ 1 period
Grade Placement: 10
Prerequisite: English 1
Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis.

English 2 Pre-AP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 10
Prerequisite: English 1
The English Pre-AP course is designed for students of advanced ability who have already mastered EOC skills to prepare for junior level AP (Advanced Placement) English. They will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contents and will become skilled writers who can compose for a variety of purposes. Pre-AP students will master the components of style analysis of literature and interpret literature from works of fiction in addition to written essays, poetry, and short stories. Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

English 2 SOL (English 2, for speakers of other languages)
2 semesters/1 credit/1 period
Grade Placement: 10
Prerequisite: English 1
Placement in English for Speakers of Other Languages (ESOL) courses is determined by the Language Proficiency Assessment Committee (LPAC).

English 3
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: English 2
Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis.

English 3 English Language and Composition AP (Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: English 2
The rigorous AP (Advanced Placement) English Language and Composition is a course designed for juniors of exceptional ability who wish the challenge of reading, writing, and evaluating at the college level. Content requirements for Advanced Placement (AP) English Literature and Composition are prescribed in the College Board Publication Advanced Placement Course Description: English, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

English 4
2 semesters/1 credit/1 period
Grade Placement: 12
Prerequisite: English 3 or English 3 AP Language and Composition
Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students should read and write on a daily basis.

English 4 AP (Advanced Placement) (Literature and Composition AP) ***weighted course***
2-semesters/1 credit/1 period
Grade Placement: 12
Prerequisite: English 3 or English 3 AP Language and Composition. The rigorous AP (Advanced Placement) English Literature and Composition is a course designed for seniors of exceptional ability who wish the challenge of reading, writing, and evaluating at the college level. Content requirements for Advanced Placement (AP) English Literature and Composition are prescribed in the College Board Publication Advanced Placement Course Description: English, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

English 4-Dual Credit ***weighted course***
Del Mar College (English 1301 & English 1302)
2 semesters/1 credit/1 period (3 college hours each semester)
Grade Placement: 12
Prerequisite: English 3 or English 3 AP Language and Composition.
Students who apply for this course must meet criteria designated by Del Mar College. The Dual Credit program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements for high school graduation. This course will provide college bound students with the rigorous expectations and experiences of a college-level program. Students will be expected to use higher-level thinking skills of critical analysis and synthesis through the reading of British and World Literature from a variety of genres and historical periods. Students will be required to read from texts and supplements for English 4 and English 1301 (first semester) and English 1302 (second semester) from Del Mar College. Students will be required to have 15 hours of computer laboratory during the first semester to meet state and college guidelines. Must have scores to qualify.

English 1-4 Resource (Meets science Individual Education Plan)
2-semester/1 credit/ 1 period
Grade Placement: 9-12 Courses are designed to meet the student's English IEP.

Humanities (also known as Academic Decathlon 1) ***weighted course***
2-semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Teacher approval

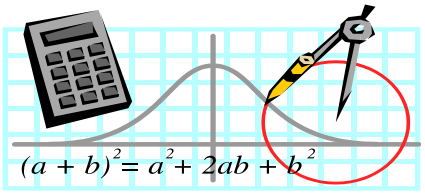
Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to understand the commonalities that literature shares with the fine arts. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Understanding is demonstrated through a variety of media.

Independent Study in English 1-3 as part of the additional years of Humanities ***weighted course***
(Also known as Academic Decathlon 2-4)
2-semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Humanities; teacher approval
Students enrolled in Independent Study in English will engage in rigorous, in-depth study in various thematically connected subject areas. Art, music, science, math, writing, speaking, social studies, economics, and reading will be part of the curriculum. The theme of the Humanities class changes year to year according to national Academic Decathlon curriculum guidelines. Emphasis will be on study skills, research, speaking, and writing.
Students enrolled in Independent Study in English will focus on a specialized area of study such as the work of a particular author or genre. Students will read and write in multiple forms for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written compositions on a regular basis and carefully examine their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. **This course prepares students for Academic Decathlon competition and involves inter-school competition. If this course is being used to satisfy requirements for the Distinguished Achievement Program, a student research/product must be presented before a panel of professionals or approved by the student's mentor.**

Reading 1- 3
2 semesters/1 credit/1 period
Grade Placement: 9-12
Reading I, II, III offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

Creative Writing
2 semesters/1 credit/1 period
Grade Placement: 11-12
The study of creative writing allows high school students to develop versatility as writers. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Literary Genre: Culture and Traditions in Literary Texts
2 semesters/1 credit/1 period
Grade Placement: 11-12
This course will familiarize students with the voices of minorities through literature and explore themes of cultural identity, community, family, gender and cultural history. Students will enhance literacy and critical thinking skills in reading and writing using texts from a variety of multicultural authors as well as media such as films, documentaries and music.



MATHEMATICS

Algebra 1(single period)
2 semesters/1-credit/ 1 period
Grade Placement: 9
Basic understandings: foundation concepts for high school mathematics; algebraic thinking and symbolic reasoning; function concepts; relationship between equations and functions; tools for algebraic thinking; and underlying mathematical processes.

Algebra 1(Block)
2 semesters/1-credit/2 periods
Grade Placement: 9
Students in the two-period course will be identified using mastery scores from testing assessment instruments and grades from previous mathematics course taken. This course will assist in successful completion of curriculum by allowing more hands on and extended instruction. Basic understandings: foundation concepts for high school mathematics; algebraic thinking and symbolic reasoning; function concepts; relationship between equations and functions; tools for algebraic thinking; and underlying mathematical processes.

Algebra 1 PAP ***weighted course***
2 semesters/1-credit/1 period
Grade Placement: 9
Prerequisite: 8th Math EOC score Level 2, final 8th math grade, and EXPLORE are considered for placement. This fast-paced curriculum is for student not requiring additional time and practice in order to be successful. Basic understandings: foundation concepts for high school mathematics; algebraic thinking and symbolic reasoning; function concepts; relationship between equations and functions; tools for algebraic thinking; and underlying mathematical processes. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

Algebra 1 Block Resource (Meets science Individual Education Plan)
2-semester/1 credit/ 1 period
Grade Placement: 9-12 Courses are designed to meet the student's math IEP.

Geometry (single period)
2 semesters/1 credit/1 period
Prerequisite: Algebra 1
Basic understandings: foundation concepts for high school mathematics; geometric thinking and spatial reasoning; geometric figures and their properties; the relationship between geometry, other mathematics, and other discipline tools for geometric thinking; and underlying mathematical processes.

Geometry Pre-AP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 9-10
Prerequisite: Algebra 1
This fast-paced curriculum is for students not requiring additional time and practice in order to be successful. Basic understandings: foundation concepts for high school mathematics; geometric thinking and spatial reasoning; geometric figures and their properties; the relationship between geometry, other mathematics, and other discipline tools for geometric thinking; and underlying mathematical processes. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

Mathematical Models with Applications* (does not meet DAP math requirement)
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Algebra 1 and Geometry (must be taken before Algebra 2 if using MMA for RHSP)*
Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines; use methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science; use models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations; use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, graphing calculators and computers) to link modeling techniques and purely mathematical concepts and to solve applied problems. **(Universities or NCAA may not accept this class as a math credit.)**

Algebra 2^
2 semesters/1 credit/1 period
Prerequisites: Algebra 1 and Geometry
Basic understandings: Foundation concepts for high school mathematics; algebraic thinking and symbolic reasoning; functions, equations, and their relationship; relationship between algebra and geometry; tools for algebraic thinking;and underlying mathematical processes. ^***Note: A grade of less than 70 during the first grading period of the sophomore or junior year of Algebra 2 will result in a change to MMA.***

Algebra 2 Pre-AP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisites: Algebra 1 and Geometry
This fast-paced curriculum is for student not requiring additional time and practice in order to be successful. Basic understandings: Foundation concepts for high school mathematics; algebraic thinking and symbolic reasoning; functions, equations, and their relationship; relationship between algebra and geometry; tools for algebraic thinking; and underlying mathematical processes. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

Advanced Quantitative Reasoning "College/Career Mathematics" (may be used as a fourth math)
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Algebra 1, Geometry, and Algebra 2
Students develop and apply skills necessary for college, careers and life. Students will apply mathematics to problems arising in everyday life, society, and the workplace. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. The student develops and applies reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Engineering Math (may be used as a fourth math) v
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Algebra 2
In Engineering Mathematics, students will solve and model robotic design problems. Students will use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

Precalculus
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Algebra 2 and Geometry
Students build on Algebra I, Algebra II, and Geometry foundations as they expand their understanding through other mathematical experiences. Students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them; use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships.; use functions as well as symbolic reasoning to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations; use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools and technology (graphing calculators and computers) to model functions and equations and solve real-life problems.

Precalculus PAP *weighted course*
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Algebra 2 and Geometry
This fast-paced curriculum is for student not requiring additional time and practice in order to be successful. Students continue to build on Algebra I, Algebra II, and Geometry foundations as they expand their understanding through other mathematical experiences; use symbolic reasoning and analytical methods to represent mathematical use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships; use functions as well as symbolic reasoning to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations; use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools and technology (graphing calculators and computers) to model functions and equations and solve real-life problems. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

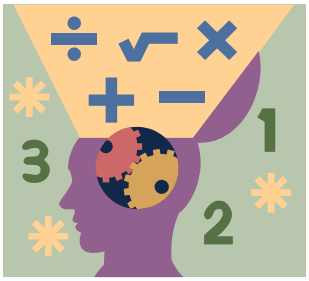
Calculus AB AP (Advanced Placement) *weighted course*
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Precalculus
Content requirements for Advanced Placement (AP) Calculus AB are prescribed in the College Board Publication Advanced Placement Course Description Mathematics: Calculus AB published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

Calculus Dual Credit (distance learning --Del Mar College MATH 1314) *weighted course*
1 semester/0.5 credit/1 period/4 college credit hours
Grade Placement: 11-12
Prerequisites: Precalculus plus dual credit criteria or Del Mar College MATH 1314 & 1316
Topics covered: Limits, continuity, differentiation with applications, integration, definite integral with properties, and applications of integration.

College Algebra Dual Credit (distance learning --Del Mar College MATH 1314) Fall *weighted course*
1 semester/.5 credit/1 period/3 college hours
Grade Placement: 11-12
Prerequisite: Algebra 2 & dual credit criteria
Students who apply for this course must meet criteria designated by Del Mar College. The Dual Credit Program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements of high school graduation. This course includes fundamentals of algebra, including inequalities, functions, quadratic equations, exponential and logarithmic functions, systems of equations, determinants and instructor option of binomial theorem or progressions. This course is the entry level mathematics course required at most colleges and universities; it is for non-mathematic majors. Look at the college catalog for college mathematics requirements for the major you may be considering. ***Note: Students who drop the course are responsible for the Text book Access Code Fee***

Plane Trigonometry DC (distance learning--Del Mar College Math 1316) Spring, *weighted course*
1 semester/.5 credit/1 period/3 college hours
Grade Placement: 11-12
Prerequisite: College Algebra
Students who apply for this course must meet criteria designated by Del Mar College. The Dual Credit Program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements of high school graduation. This course introduces trigonometry functions, identities, heights and distance, equations involving trigonometric functions, solutions of triangles, area, vectors and their basic applications. ***Note: Students who drop the course are responsible for the Text book Access Code Fee***

Elementary Statistical Methods DC (distance learning--Del Mar College MATH 1342) spring *weighted*
1 semester/.5 credit/1 period/3 college credit hours
Grade Placement: 11-12
Prerequisite: College Algebra
Students who apply for this course must meet criteria designated by Del Mar College. The Dual Credit Program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements of high school graduation. This course covers frequency distributions, measures of location, variations; probability-basic rules, concepts of random variables and their distributions; statistical inference-confidence intervals, tests of hypothesis, introduction of linear regression. ***Note: Students who drop the course are responsible for the Text book Access Code Fee.***



SCIENCE

Common Essential Knowledge and Skills for Science are "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process;" the planned and deliberate investigation inquiry of the natural world; scientific methods of investigation that are experimental, descriptive, or comparative; decision making that is a way of answering questions about the natural world; distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).

Biology
2 semester/1 credit/1 period
Grade Placement: 9
Introduction: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving; study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment; scientific inquiry and methods of investigation are experimental, descriptive, or comparative; students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information; collection of cycles, structures, and processes that have basic properties that can be described in space, time, energy, and matter; patterns and can be observed, measured, and modeled that can be scientifically tested; analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

Biology PAP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 9
Biology Pre-AP (Pre-Advanced Placement) is a laboratory-based, academically rigorous course that is intended to prepare students for advanced biology courses, such as AP or dual credit Biology. Introduction: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving; study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment; scientific inquiry and methods of investigation are experimental, descriptive, or comparative; students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information; collection of cycles, structures, and processes that have basic properties that can be described in space, time, energy, and matter; patterns and can be observed, measured, and modeled that can be scientifically tested; analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

Integrated Physics and Chemistry ***(does not count toward DAP fourth science)***
2 semesters/1 credit/1 period
Grade Placement: 9/10
Prerequisite: Algebra 1 completion or concurrent enrollment recommended.
Introduction: Students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving; integration of the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Chemistry
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisites: Biology, Algebra 1 and completion of, or concurrent enrollment in a second year math.
Introduction: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving; study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermos-chemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry PAP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit
Grade Placement: 9-12
Prerequisites: Biology, Algebra 1 and completion or concurrent enrollment in a second year math.
This class is designed for students who plan to enroll in AP Chemistry the following year. It is an accelerated class that studies in-depth various topics. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving; study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermo chemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

Physics
2 semesters/1 credit/1 period
Grade Placement: 11
Prerequisite: Biology, Chemistry, and Algebra II (or taken concurrently).
Introduction: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

Physics PAP (Pre-Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 11
Prerequisite: Biology, Chemistry, and Algebra II (or taken concurrently).
This class is designed for students who plan to enroll in AP Physics the following year. It is an accelerated class that studies in-depth various topics Introduction: Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

Principles of Technology [POT] (does not count toward DAP science)
2 semesters/ 1 credit/1 period
Grade Placement: 11
Prerequisites: Algebra 1, Biology and Integrated Physics and Chemistry (IPC) and/or Chemistry
Introduction: students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

Chemistry AP (Advanced Placement) ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP, and a third science
Corequisite: Pre-Calculus or College Algebra/Trigonometry DC
Suggested prerequisite courses: Biology Pre-AP and Chemistry Pre-AP
Content requirements for Advanced Placement (AP) Chemistry are prescribed in the College Board Publication Advanced Placement Course Description: Chemistry, published by The College Board.

Physics C –AP (Advanced Placement) ***weighted course***
2 semesters/1 credit
Grade Placement: 11-12
Prerequisite: Biology, Chemistry, Physics, Pre-Calculus or concurrently taking Pre-Calculus.
Advanced Placement (AP) courses will challenge students with college level material that enables them to successfully pass the AP exam and receive college credit. Reading requirements include the text written on the college level and additional outside reading. AP courses require regular outside the classroom assignments. The AP Physics C course (Calculus based) is a second year physics course and includes topics in both classical and modern physics including: Newtonian mechanics, fluid mechanics, electricity and magnetism.

Biology AP (Advanced Placement) with Scientific Research and Design ***weighted course***
2 semesters/2 credit/2 periods
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP, and third science.
Suggested Grade requirements: yearly average of at least 85% regular biology & regular chemistry
Content Requirements. Content requirements for Advanced Placement (AP) Biology are prescribed in the College Board Publication Advanced Placement Course Description: Biology, published by The College Board.

Biology Dual Credit with Scientific Research and Design ***weighted course***
Del Mar College (Biology 1406 & 1407)
2 semesters/2 credits/ 8-college hours
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP, and third science & student must meet criteria designated by Del Mar College. (See dual credit course requirements.)
The Dual Credit program is a partnership between Tuloso-Midway High School and Del Mar College enabling students to earn four college credits while completing the requirements of high school. The curriculum is based on the Biology 1406 and 1407 college curriculum. The course content concentrates on molecular Biology. The content covers biochemistry, cell structure, and function through the processes of cell transport, photosynthesis, respiration, cell division, inheritance, and protein synthesis. This is a lab-oriented course and students are expected to demonstrate safe practices in using biological equipment and chemicals. Students will be required to complete a genetics project using fruit flies and to build a model of DNA.

Anatomy and Physiology ***(Honors Anatomy and Physiology pending)***
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP
Anatomy and Physiology is a study of the human systems and is geared to meet the needs of students interested in a career in the medical field. This lab-oriented course designed to demonstrate safe practices using biological equipment and chemicals as well as safe dissecting techniques. Students will participate fully in labs and use safe procedures in handling dissection specimens, recognize and identify organs on models and on dissected specimens. Students will describe the function of each body system and identify disorders of homeostasis of a particular system. On a weekly basis, students will analyze advanced medical concerns by using multimedia resources.

Aquatic Science
2 semesters/ 1 credit/1 period
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP and Chemistry or Chemistry Pre-AP
Students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and 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, work collaboratively with peers, and develop critical-thinking and problem-solving skills. A $10.00 lab fee is required to pay for necessary supplies.

Earth and Space Science
2 semesters/ 1 credit
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP, IPC and/or Chemistry or Chemistry Pre-AP
Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS includes the study of earth in space and time, solid Earth and fluid Earth through the three strands of systems, energy, and relevance.

Environmental Systems
2 semesters/ 1 credit
Grade Placement: 11-12
Prerequisites: Biology or Biology Pre-AP, IPC and/or Chemistry or Chemistry Pre-AP
Students will conduct field and laboratory investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy though an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. All systems have basic properties that can be described in terms of space, time, energy, and matter. Change and constancy occur in systems and can be observed and measured as patterns. These patterns help to predict what will happen next and can change over time.

Advanced Animal Science (if taken as the fourth science, otherwise an Agriculture elective)
See Agriculture, Food & Natural Resources section for course information.

Adv. Plant and Animal Science (if taken as the fourth science, otherwise an Agriculture elective)
See Agriculture, Food & Natural Resources section

Biology Resource (Meets science Individual Education Plan)
2-semester/1 credit/ 1 period
Grade Placement: 9-12 Courses are designed to meet the student's science IEP.

Aero- Sciences [Rocket Science] (Scientific Research and Design)
2-semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisites: Biology, IPC or Chemistry, Physics and Algebra 1.
The Aero-science program offers junior and senior high school students an opportunity to participate in a hands-on, project-based engineering and technology program in aero-science studies. Students experience hands-on research as well as design and development instruction within the engineering and technology design disciplines. Valuable life skills such as problem-solving, testing and analysis, documentation and reporting, project management, teamwork and communication are developed. These applied philosophies of education are imperative in supporting tomorrow's workforce needs. Our curriculum, endorsed by NASA, is a two-year, junior/senior program in which students design and develop remotely operated vehicles and unmanned aerial vehicles for research or industrial applications. The program encourages students to pursue engineering and technology careers in the American workforce.

Aero - Sciences II [Advanced Rocket Science] (Scientific Research and Design II)
2-semesters/1 credit
Grade Placement: 12
Prerequisites: Suborbital Aero-Science I.
This is an upper level science course designed to prepare high school students for the rigors of a technical or engineering college curriculum and provide an introduction to the practices and procedures within the technical workforce. The course curriculum is to the award winning Ignite: Systems Go Aero-science curriculum with a goal of reaching speeds of Mach 1 in a student built rocket.

Scientific Research and Design ***weighted course if taking AP Biology, DC Biology or AP Physics***
2-semesters/1 credit
Grade Placement: 11-12
Prerequisites: This class must be taken as an integral part of AP Biology, DC Biology, or AP Physics.
The major emphasis will be on gaining competence in all aspects of laboratory procedures as they pertain to the AP curriculum.

SOCIAL STUDIES

World Geography Studies
2-semesters/1 credit/1 period
Grade Placement: 9
Introduction: Students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

World Geography Pre-AP (Pre-Advanced Placement) ***weighted course***
2 semesters/ 1 credit/1 period
Grade Placement: 9
This fast-paced curriculum is for student not requiring additional time and practice in order to be successful. Students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

World History Studies
2-semesters/1 credit/1 period
Grade Placement: 10
World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

World History Studies Pre-AP (Pre-Advanced Placement) ***weighted course***
2-semesters/1 credit/1 period
Grade Placement: 10
This fast-paced curriculum is for student not requiring additional time and practice in order to be successful. World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence. The goal is to foster student responsibility for scholarship by providing the opportunity to work at a pre-college level and better prepare students for the AP courses offered in the eleventh and twelfth grades.

United States History Studies Since 1877
2-semesters/1 credit/1 period
Grade Placement: 11
In United States History Studies Since 1877 (the second part of a two-year study that begins in Grade 8) students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

United States History AP (Advanced Placement) ***weighted course***
2-semesters/1 credit/1 period
Grade Placement: 11
The extremely rigorous United States History AP program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The course is a survey course, which is an in-depth study of American history from colonial times to the present with extensive chronological coverage and outside readings based on a broad variety of topics in such special fields as economic history, cultural and intellectual history, social history, in addition to political, constitutional and diplomatic history.

United States History Dual Credit (distance learning) ***weighted course***
Del mar College (HIST 1301/ 1302)
2 semesters/1credit/1 period/ 3 college hours per semester
Grade Placement: 11
Prerequisite: Del Mar College requirements
Instruction for this course is through distance learning technology. Video conference, WebCT, and online instruction is the instructional design of the course. Students will become proficient users of distance technology equipment. The Dual Credit program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements for high school graduation. The curriculum is based on the United States History 1301 and 1302 college curriculum. This course will provide college bound students with the rigorous expectations and experiences of a college-level program.

United States Government and Politics
1 semester/. 5 credit/1 period
Grade Placement: 12
Introduction: In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a constitutional republic, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States. Students identify examples of government policies that encourage scientific research and use critical-thinking skills to create a product on a contemporary government issue.

United States Government and Politics AP (Advanced Placement) ***weighted course***
1 semester/. 5 credit/1 period
Grade Placement: 12
This Advanced Placement (AP) course in U.S. Government and Politics will give students an analytical perspective on government and politics in the United States. This extremely rigorous program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year introductory college course. This course includes both the study of general concepts used to interpret U.S. Politics and analyze of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

Government Dual Credit (distance learning) spring ***weighted course***
Del Mar College POLS 2301
1 semester/.5 credit/1 period /3 college hours
Grade Placement: 12
Prerequisite: Del Mar College requirements
Instruction for this course is through distance learning technology; WebCT and online lecture is the instructional design of the course. Students will become proficient users of distance technology equipment. The Concurrent Enrollment program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements for high school graduation. The curriculum is based on the United States Government 2301 college curriculum. This course will provide college bound students with the rigorous expectations and experiences of a college-level program.

Economics with Emphasis on the Free Enterprise System and Its Benefits
1 semester/. 5 credit/1 period
Grade Placement: 12
Introduction: Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

Macroeconomics AP (Advanced Placement) ***weighted course***
1 semester/. 5 credit/1 period
Grade Placement: 12
Prerequisite: Del Mar College requirements
The Economics/Free Enterprise course will focus on the basic principles, which stimulate the creation of and foster the growth of the free enterprise system and the comparison of different forms of economic systems throughout the world. The student will investigate, independently or collaboratively, a problem, issue, or concern within a selected profession or discipline. The student will demonstrate understanding of the research methods and/or technologies used in a selected profession or discipline. The student will develop products that meet standards recognized by the selected profession or discipline. The student will demonstrate an understanding of the selected problem, issue, or concern by explaining or justifying findings to an appropriate audience for public comment or professional response.

Macroeconomics Dual Credit (distance learning) fall ***weighted course***
Del Mar College POLS 2301
1 semester/.5 credit/1 period /3 college hours
Grade Placement: 12
Prerequisite: Del Mar College requirements
Instruction for this course is through distance learning technology; WebCT and online lecture is the instructional design of the course. Students will become proficient users of distance technology equipment. The Dual Credit program is a cooperative partnership between Tuloso-Midway High School and Del Mar College enabling high school students to receive college credit while completing the requirements for high school graduation. The curriculum is based on the Macroeconomics 2301 college curriculum. This course will provide college bound students with the rigorous expectations and experiences of a college-level program.

Psychology
1 semester/.5 credit/1 period
Grade Placement: 10-12
Study of development of the individual and the personality. Topics include: theories of human development, personality, motivation, and learning, dynamics of relationships between self and others to be a contributing member of the community. The student understands that beliefs, decisions, and actions have consequences. The student understands behavioral, social learning, and cognitive perspectives of motivation to describe his or her role and impact on economics systems. Finally, the student understands the influence of sensory perceptions on the shaping of individual beliefs and attitudes.

Psychology Dual Credit
Grade Placement: 11-12
1 semester/.5 credit/1 period/3 college credit hours
Survey of the science of psychology. Topics may include scientific methods, learning, memory, biology, personality theory, stress and mental disorders. Introduces the study of behavior and the factors that determine and affect behavior. PSYC 2301. Assessment Levels: R3, E3, M1.

Sociology
1 semester/.5 credit/1 period
Grade Placement: 10-12
Study of dynamics and models of individual and group relationships. Related Topics: history and systems of sociology, cultural and social norms, social institutions, and mass communication, different styles and forms of leadership, political socialization, and communication techniques that influence perception, attitudes, and behavior. Students will understand basic sociological principles related to change within a group and across groups. The students will understand how people develop social institutions to meet basic needs in a society.

Sociology Dual Credit
1 semester/.5 credit/1 period/3 college credit hours
Grade Placement: 11-12
Introduction to the concepts and principles used in the study of group life, social institutions, and social processes. SOCI 1301. Assessment levels: R3, E3, M1.

ADDITIONAL COURSE DESCRIPTIONS

FINE ARTS




Art 1
2 semesters/1 credit/1 period
Grade Placement: 9-12
This course provides a broad foundation into the elements and principles of design to develop skills in creative thinking and communication. Students will work hands-on with a variety of media which may include drawing (pencil, pastels, charcoal, colored pencil), painting (tempera and watercolor), sculpture (clay, paper), printmaking (linoleum), and mixed media. Art appreciation, art history and evaluation through student and teacher critiques expand the student's verbal and visual vocabulary.

Arts & Humanities

Art 1: Painting
2 semesters/1 credit/1 period
Grade Placement: 9-12
This course provides a broad foundation into the elements and principles of design to develop skills in creative thinking and communication through painting and drawing. Students will work hands-on with a variety of painting techniques and some mix-media. Acrylic, tempera, and watercolor will be used. Art appreciation, art history and evaluation through student and teacher critiques expand the student's verbal and visual vocabulary. Students are expected to keep a sketchbook.

Art 1: Sculpture
2 semesters/1 credit/1 period
Grade Placement: 9-12
This course provides a broad foundation into the elements and principles of design to develop skills in creative thinking and communication. Students will work hands-on with a variety of 3D materials in sculptures. Found Art, clay, paper, plaster, wire are just a few of the materials used. Art appreciation, art history and evaluation through student and teacher critiques expand the student's verbal and visual vocabulary with sculpture and the elements and principles of design. Students are expected to keep a sketchbook.

Art 2: Drawing
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Art 1
In this second year course, students work both from observation and imagination on projects and exercises designed to improve drawing and compositional skills. Students will work in a variety of media such as pencil, ink, scratchboard, pastels and mixed media. It is designed to engage students in higher level thinking skills through creative problem solving and personal expression. Students will create original works of art in the areas of portraits, landscapes, interiors, still life images, perspective drawings, figure drawings and other areas of interest. Participation in a variety of local, regional, and national art competitions is encouraged.

Art 2: Painting
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Art 1
This second year course provides exposure to a variety of art processes and techniques. The elements and principles of design are studied in addition to major artists and art movements. Instruction emphasizes the development of a personal style and painting skills. Students will continue to work with a variety of painting techniques while using watercolor, tempera, acrylic, under glaze and mixed media on two- and three-dimensional surfaces to create original works of art. Students will work in collaboration with the teacher to devise individual projects. Participation in a variety of local, regional, and national art competitions is encouraged.

Art 3: Drawing
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Art 1 and Drawing 2
This third year course requires the student to develop a portfolio of advanced art pieces. Continuing on the foundation built in Art 1 and Art 2: Drawing, students will work towards the development of a personal style through the creation of works of art using a variety of media such as pencil, ink, scratchboard, pastels and mixed media. Participation in a variety of local, regional, and national art competitions is expected. Students are required to devote time outside of the normal class period.

Art 3: Painting
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Art 1 and Painting 2
This third year course requires the student to develop a portfolio of advanced art pieces. Continuing on the foundation built in Art 1 and Art 2: Painting, Students will continue to work with a variety of painting techniques while using watercolor, tempera, acrylic, under glaze and mixed media on two- and three-dimensional surfaces to create original works of art. Students will work in collaboration with the teacher to devise individual projects. Participation in a variety of local, regional, and national art competitions is expected. Students are required to devote time outside of the normal class period.

AP Art: Studio Art/Drawing Portfolio ***weighted course***
2 semesters/1 credit/1 period
Grade Placement: 11 - 12
Prerequisite: Successful completion of Art 1 and Drawing 2 and/or Painting 2
This advanced art course enables highly motivated students to work in collaboration with the teacher to prepare and present a performance-based portfolio, which is assessed in three parts. The "quality" section will include five quality pieces of art for the judges to examine. The "concentration" section will consist of 12 slides documenting an in-depth study of a chosen artistic concern. The BREDTH section will consist of 12 slides of the students work showing a wide range of successful drawings in a variety of approaches and media. Students rated *qualified* to *extremely well qualified* may receive advanced placement. Participation in a variety of local, regional, and national art competitions is expected.

Band 1-4 (Marching Band up to one credit PE)
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Courses must be taken in sequence. Students must have proven instrumental performance and recommendation by band director or demonstration of instrumental proficiency appropriate for high school level.
During the year students are provide the opportunity to perform in marching band. Music and marching fundamentals, performance, music history, and development of work ethics is stressed. Individual playing opportunities are made available through competition at District, Region, Area, and State Band tryouts. During the spring semester band provides students with an opportunity to participate in concert band and jazz band. Music fundamentals, performance, music history, and development of work ethics are stressed. Small and large ensemble experience and solo playing are made available. By reflecting on musical periods and styles, students understand music's role in history and are able to participate successfully in a diverse society. Students analyze and evaluate music, developing criteria for making critical judgments and informed choices.

Honors Band 3-4 *weighted course*
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Band 1 & 2
Although encompassing the same performance criteria as regular band courses listed, this course has an added emphasis on research and individualized study and practice. It also develops comprehensive individual musicianship. Attendance at after school rehearsals and performances will be required. The students will also be required to compete at TMEA District Band Auditions and UIL Solo and Ensemble Contests.

Jazz Band 1-4
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Courses must be taken in sequence. Students must have proven instrumental performance and recommendation by band director or demonstration of instrumental proficiency appropriate for high school level.
Four basic strands--perception, creative expression/performance, historical and cultural heritage, and critical evaluation--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. In music, students develop their intellect and refine their emotions, understanding the cultural and creative nature of musical artistry and making connections among music, the other arts, technology, and other aspects of social life. Through creative performance, students apply the expressive technical skills of music and critical-thinking skills to evaluate multiple forms of problem solving.

Band Instrumental Ensemble I
2 semesters/ 1 credit/1 period
Grade Placement: 9-12
Prerequisite: Teacher approval
Students identify, and distinguish between, melody and harmony while listening and playing. They define concepts of intervals, chord structure, and music notation. They use standard notation and study and define concepts of performance. Class discussions include the history and cultural origins of composition, composers, and musicians

Band Instrumental Ensemble II
2 semesters/ 1 credit/1 period
Grade Placement: 10-12
Prerequisite: Instrumental Ensemble I and Teacher approval
Students continue to develop and refine technical skills and increase their music knowledge with their performance and listening selections. Listening experiences refine melodic and harmonic pitch. Students will learn repertoire selected from different cultures, historical periods, genres, and styles.

Band Instrumental Ensemble III
2 semesters/ 1 credit/1 period
Grade Placement: 11-12
Prerequisite: Instrumental Ensemble II and Teacher approval
Students define musical performances, intervals, music notation, chord structure, rhythm/meter, and harmonic texture using standard terminology. They identify the musical forms of their listening and performance repertoires and expressively perform selected literature. Student selects and performs musical literature from several historical periods, representing a wide range of genres, styles, and cultural influences

Band Instrumental Ensemble IV
2 semesters/ 1 credit/1 period
Grade Placement: 12
Prerequisite: Instrumental Ensemble III and Teacher approval
Students demonstrate independence in interpreting music through the performance of selected literature. They analyze musical performances, intervals, music notation, chord structure, rhythm/meter, and harmonic texture using standard terminology and analyze the musical forms of their performances and listening repertoires. Literature selections represent diverse styles, genres, cultures, and historical periods.

Women's Chorus 1-4
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: A student must possess a desire to actively participate in choir and improve vocal ability.
This course is for female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the maturing adolescent female voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League and TMEA contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives.

Men's Chorus 1-4
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: A student must possess a desire to actively participate in choir and improve vocal ability.
This course is for male students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent male voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League and TMEA contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives.

Concert Choir 1-4
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Director's approval/audition
This course is for male and/or female students with intermediate or advanced skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon the performance of diverse variety of choral styles. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League and TMEA contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. The voicing of this choir (Mixed, Treble or Tenor/Bass) is at the director's discretion..

Honors Concert Choir 3-4 *weighted course*
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: Concert Choir 2 and Director's Approval
Although encompassing the same performance expectations as the regular choir courses listed in the course catalog, this course has an added emphasis on research and individualized study, leading to the development of comprehensive individual musicianship.

Chamber Choir 1-2 (Guys and Dolls)
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: By audition only
Although encompassing the same performance expectations as the regular choir courses listed in the course catalog, this course has an added emphasis on research and individualized study, leading to the development of comprehensive individual musicianship. Students in this course perform music for Concert Choir 1-4, in addition to music specialized for chamber ensembles/vocal jazz idiom.

Chamber Choir 3-4 (Guys and Dolls) Honors *weighted course*
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: By audition only
Although encompassing the same performance expectations as the regular choir courses listed in the course catalog, this course has an added emphasis on research and individualized study, leading to the development of comprehensive individual musicianship. Students in this course perform music for Concert Choir 1-4, in addition to music specialized for chamber ensembles/vocal jazz idiom.

Music History/Music Appreciation Dual Credit *weighted course-not UIL exempt*
Del Mar College (MUSI 1306)
1 semesters/.5 credit/1 period/3 college hours
Grade Placement: 11-12
Prerequisite: Meet Del Mar College and TMHS criteria
This course provides a historical overview of the way music has developed in our culture. This course would develop an understanding of musical arts through the study of the elements of music including melody, harmony, rhythm, color, texture and form. This would include style traits, genres and composers of various historical periods and emphasizing the development of listening skills. It would be designed for the average music listener, so one would not have to have any previous musical training to take this course.

Dance 1
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: None
Four basic strands (perception, creative expression/performance, historical and cultural heritage, and critical evaluation) provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others and allow them to interact effectively in the community. By mastering movement principles and skills, students develop self-discipline and healthy bodies that move expressively, efficiently, and safely through space and time with controlled energy.

Theatre Arts 1
2-semesters/1 credit/1 period
Grade Placement: 9-12
Theatre Arts 1 is an introductory class with a focus on performance. The student will develop concepts about self, human relationships, elements of drama and conventions of theatre. Students will be introduced to all types of performance (acting for the stage, improvisation, scenes, and vignettes, etc.) Student will also create and perform their own original scenes in various theatrical genres.

Theatre Arts 2-4
2-semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Courses must be taken in sequence.
Emphasis is placed on utilizing advanced characterization in role development: exploring classical and contemporary production styles; historical evolution of performance style and costumes as well as focusing attention to other forms of performance opportunities through radio, television and film. Class will produce a performance integrating all elements of theatre.

Technical Theatre 1-4
2-semesters/1 credit/1 period
Grade Placement: 9-12
Technical Theatre will concentrate on backstage aspects of play production. Students will study set design and construction, scenery, props, lighting, sound, costumes and make-up in a safe hands-on environment. Students will be involved in creating the technical aspects of productions.

Digital Art Animation (counts as a fine art credit) see Information Technology Section

Principles and Elements of Floral Design (counts as a fine art credit) see Agriculture Section

JOURNALISM

Photojournalism – Digital Photography (strongly recommended for those wishing to enroll in Yearbook or Magazine)
1 semester / .5 credit / 1 period
Grade Placement: 9-12
Prerequisite: None
Required materials: Digital camera
This class is designed to teach digital photography and basic journalism skills. The course will cover basic photography skills including composition and exposure. Students will learn essential digital photography terms, editing, and the basic functions of a digital camera. Students will be required to use the Adobe software Photoshop and Indesign for multiple digital imaging projects each grading period. A very limited number of digital cameras are available for checkout from the library. This course is highly recommended for students interested in applying for the yearbook staff.

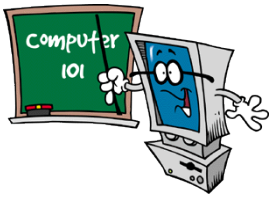
Journalism (strongly recommended for those wishing to enroll in Yearbook or Magazine)
1 semester / .5 credit / 1 period
Grade Placement: 9-12
Prerequisite: None
This class introduces students to the history and contemporary roles of the mass media in the United States. The laws and ethical principles of journalism will be explored in the examination of the responsibility of the mass media. Students will learn reporting, writing, and editing skills to prepare articles suitable for publication. The course will also cover the techniques and trends in publication design including newspapers, magazines, and advertising. This course is highly recommended for students interested in enrolling in the Advanced Journalism courses.

Advanced Journalism/Yearbook 1
2 semesters/1 credit/ 1 period
Grade Placement: 10-12
Prerequisite: Journalism, Photojournalism, or Digital Art and Animation; written application and teacher approval required
First-year yearbook students will be introduced to the basics of yearbook production including theme development, photography for publication, publication design, marketing, and copy writing. Students will be involved in the production of the yearbook and expected to regularly provide examples of their progress toward long-term projects. Students must demonstrate an ability to meet deadlines and be available to attend extracurricular events. Students must obtain and complete an application from the yearbook adviser to be considered for a staff position.

Advanced Journalism/Yearbook 2 and 3
2 semesters/1 credit/ 1 period
Grade Placement: 11-12
Prerequisite: Yearbook 1; written application and teacher approval required
Students will gain further experience in yearbook production and serve as mentors for first-year staff members. Students will be involved in the production of the yearbook and expected to regularly provide examples of their progress toward long-term projects. Advanced students may be considered for editor positions on the yearbook staff. Students must demonstrate an ability to meet deadlines and be available to attend extracurricular events. Students must obtain and complete an application from the yearbook adviser to be considered for a staff position.

Advanced Journalism/Warrior Tribune 1
2 semesters / 1 credit / 1 period
Grade Placement: 10-12
Prerequisite: Journalism, Photojournalism, or Digital Art and Animation; written application and teacher approval required.
First-year Warrior Tribune students will be introduced to the basics of magazine production including content planning, reporting, writing, editing, photography, and publication design. The class will produce one issue of the campus magazine each grading period. Each student is expected to document weekly progress toward completion of the upcoming issue. Students must demonstrate an ability to meet deadlines and be available to attend extracurricular events. Students must obtain and complete an application from the Warrior Tribune adviser to be considered for a staff position.

Advanced Journalism/Warrior Tribune 2 & 3
2 semesters / 1 credit / 1 period
Grade Placement: 11-12
Prerequisite: Advanced Journalism/Warrior Tribune 1; written application and teacher approval required.
Students will gain further experience in magazine production and serve as mentors for first-year staff members. The class will produce one issue of the campus magazine each grading period. Each student is expected to document weekly progress toward completion of the upcoming issue. Students must demonstrate an ability to meet deadlines and be available to attend extracurricular events. Students must obtain and complete an application from the Warrior Tribune adviser to be considered for a staff position.



TECHNOLOGY APPLICATIONS

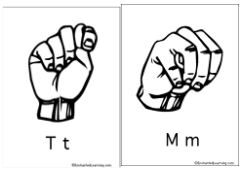
Digital Art and Animation
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Art 1
Digital Art and Animation consists of computer images and animations created with digital imaging software. Students will demonstrate creative thinking, develop innovative strategies, and use communication tools in order to work effectively with others as well as independently. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, as well as the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations.

AP Computer Science *weighted course*
2 semesters/1 credit/1 period, Grade Placement: 11-12
Prerequisite: Students should be successful in Algebra 2, problem solving and written communication.
In addition, they should be comfortable with logical structures and functional notation.
It is important that secondary school students understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course. **Students will need to utilize a computer either at home or through before/after school tutorials in the computer lab.** This college-level course emphasizes programming methodology with a concentration in problem solving and algorithm development and is meant to be the equivalent of a first-semester course in Computer Science. It also includes the study of data structures and abstraction. Some topics covered in this course will include: design and implementation of computer-based solutions to mathematical problems and other application areas; design and implementation of algorithms and data structures to solve problems; design and implementation of the Java code and AP C++ classes in well-structured fashion; read and understand large programs for success with the AP Computer Science Case. The current programming language is Java for the May AP exams. *This course fulfills technology requirement for graduation.*

Independent Study in Technology Applications
2 semesters/1credit/1 period
Grade Placement: 10-12
Prerequisite: At least one course in the Business or Information Technology areas and teacher approval.
The technology applications curriculum has four strands: foundations, information acquisition, work in solving problems, and communication. Through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students learn to make informed decisions about technologies and their applications. The efficient acquisition of information includes the identification of task requirements, the plan for using search strategies; and the use of technology to access, analyze, and evaluate the acquired information. 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. Students communicate information in different formats and to diverse audiences. A variety of technologies will be used. Student will analyze and evaluate the results.

Game Programming and Design
2 semesters/1credit/1 period
Grade Placement: 10-12
Prerequisite: The required prerequisite for this course is Algebra (I).
Game Programming and Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with each other, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will create a computer game that is presented to an evaluation panel. *This course fulfills computer course requirement for graduation.*

Geographic Information Systems (GIS)
2 semesters/1credit/1 period
Grade Placement: 11-12
Prerequisite: To be determined
Geographic Information Systems is a course designed to introduce students to Geographic Information Systems and Remote Sensing technology through academic study and applied instruction.



LANGUAGES OTHER THAN ENGLISH

Arts & Humanities

American Sign Language (ASL) I
2 semesters / 1 credit / 1 period
Grade Placement: 9-12
Course Description: An introduction to the basic skills in producing signs and understanding American Sign Language (ASL). Coursework will include: learning fingerspelling and numbers, learning how to sign basic conversational signs, culturally appropriate behaviors, and students will be exposed to ASL grammar.

American Sign Language (ASL) II
2 semesters / 1 credit / 1 period
Grade Placement: 10-12
Prerequisite: American Sign Language (ASL) I
Course Description: Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in fingerspelling and numbers. Encourages opportunities for interaction within the Deaf community.

American Sign Language (ASL) III

2 semesters / 1 credit / 1 period
Grade Placement: 10-12
Prerequisite: American Sign Language (ASL) I & American Sign Language (ASL) II
Course Description: This course is intended to develop the student's visual-spatial (gestural) skills and improve expressive fluency and reception skills through class discussions, pair/group work, presentations, and interaction with the Deaf Community. It includes grammar review and features extensive discussions of Deaf Culture. Students will gain recognition of sign language variation (i.e. gender, generational signs, ethnicity, gender, etc.). Fluency and accuracy of fingerspelling will be developed as well as the use of lexicalized signs. Instruction will occur primarily in ASL (no voice).

Spanish Level I
2 semesters/1 credit/1 period
Grade Placement: 9-12
Students will understand and use conversational Spanish that will demonstrate knowledge of main ideas in listening and reading; produce learned words, phrases, and sentences in speech and writing accurately; recognize the importance of culture and history of the Americas in 21st century.

Spanish Level II
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Spanish Level 1
Spanish Level 2 includes the same areas of Spanish Level 1 with emphasis on increased understanding and expanded vocabulary. Grammar will include: learned concepts, past tenses, oral proficiency (novice-intermediate); listening comprehension, writing skills limited to short paragraphs and essays; reading comprehension (short stories, legends); cultural awareness of all Hispanic world.

Spanish Level 3
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Spanish Level 1 and Spanish Level 2
Spanish Level 3 is an advanced continuation of Spanish Level 2 skills. Cultural, literary exerts are intermingled with grammatical/linguistic concepts. The course will cover language proficiency expectations at the level of intermediate beginner to intermediate; oral proficiency evaluation each six weeks; readings from text and related supplemental materials; writing skills development; cultural projects utilizing reading, writing, skills and oral presentations.

Spanish Level 3 Dual Credit ***weighted course***
Del Mar College (Spanish 2311 and Spanish 2312)
2 semesters/1 credit/1 period /3 college hours
Grade Placement: 11-12
Prerequisite: Spanish Level 1 (grade 85) and Spanish Level 2 (grade 85) and; must meet Del Mar criteria.
The dual credit program is a partnership between Tuloso-Midway High School and Del Mar
College enabling students to earn four college credits while completing the requirements of high school. The curriculum is based on the Spanish 2311 and 2312 college curriculum. The course involves a good mix of advanced grammar concepts along with reading literary excerpts, oral presentations and written compositions. Students are encouraged to visit the area advanced education facilities (Del Mar College & Texas A&M--Corpus Christi) and sit in on advanced Spanish classes. This is done in cooperation with university professors at these institutions.

PHYSICAL EDUCATION/ATHLETICS/ HEALTH

Students may substitute certain physical activities for required credits for physical education from the courses listed in this section. Each course listed may equal one-half to one credit for graduation. In Physical 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.
Some courses may be taken for up to four substitution credits toward graduation credit.

Baseball (Athletics I-IV)
2-semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL baseball involves inter-school competition. UIL baseball emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Basketball (Boys/Girls) (Athletics I-IV)
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL basketball involves inter-school competition. UIL basketball emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Cheerleading (up to one PE credit)
2 semesters/ 1credit / 1 period
Grade Placement: 9-12
Prerequisites: Tryouts required
Students attend summer camp to learn skills in tumbling, stunting, dancing and cheer techniques. Skills are refined and utilized to incorporate in pep rallies and games including, but not limited to, football and basketball. Students work on a continuing basic conditioning program throughout the year to include aerobics, strength building, coordination, and tumbling skills. Students are responsible for developing plans for pep rallies and special events to promote school spirit including the creation of signs, posters, programs, and skits to be utilized during events.

Diving (Athletics I-IV)
Grade Placement: 9-12
2 semesters/1 credit/ 1 period
Prerequisites: Coach approval required
UIL diving involves inter-school competition. UIL diving emphasizes individual skills, physical fitness and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Drill Team (up to one PE credit)
2 semesters/ 1credit/1 period
Grade Placement: 9-12
Prerequisite: Audition required
Students will acquire skills in the following dance techniques: ballet, jazz, modern, square, social and folk. Students will be provided the opportunity to create expressions through movement, be aware of space, time, energy as design techniques or composition, develop self-confidence and appreciation of dance as an art form. During the fall semesters, students will perform at all varsity football games and designated varsity home basketball games. During the spring semester, students will choreograph, perform, costume, and critique an original dance.

Football (Athletics I-IV)
2-semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL football involves inter-school competition. UIL football emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

NJROTC 1/Naval Science (up to one PE credit) See Naval Science section.
2-semesters/1 credit/1 period
Grade Placement: 9-12

Band 1 (up to one PE credit) See Fine Arts section.
Grade Placement: 9-12
2-semesters/1 credit/1 period
PE-Aerobic Activities
1 semester/.5 credit/ 1 period
Grade Placement: 9-12
Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. In addition, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, access to a physically-active lifestyle, and the relationship between physical-activity and health throughout the lifespan.

PE-Foundations of Personal Fitness
1 semester/.5 credit/ 1 period
Grade Placement: 9-12
Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

PE-Individual Sports
1 semester/.5 credit/ 1 period
Grade Placement: 9-12
Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

PE-Team Sports
1 semester/.5 credit/ 1 period
Grade Placement: 9-12
Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

Soccer (Boys/Girls) (Athletics I-IV)
2 semesters/1 credit/ 1 period
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL soccer involves for inter-school competition. UIL soccer emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Softball (Athletics I-IV)
Grade Placement: 9-12
2 semesters/1 credit/ 1 period
Prerequisites: Coach approval required
UIL softball involves inter-school competition. UIL softball emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Swimming (Athletics I-IV)
Grade Placement: 9-12
2 semesters/1 credit/ 1 period
Prerequisites: Coach approval required
UIL swimming involves inter-school competition. UIL swimming emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Tennis (Boys/Girls) (Athletics I-IV)
2 semesters/1 credit/ 1 period
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL tennis involves inter-school competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches. Students will adhere to the athletic director approved contract and will participate in the Team Tennis dual matches and tournaments.

Track/Cross (Boys/Girls) (Athletics I-IV)
2 semesters/1 credit/ 1 period
Grade Placement: 9-12
Prerequisites: Coach approval required
UIL track/cross country involves inter-school competition. UIL track/cross country emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Volleyball (Athletics I-IV)
Grade Placement: 9-12
2 semesters/1 credit/ 1 period
Prerequisites: Coach approval required
UIL volleyball involves inter-school competition. UIL volleyball emphasizes group skills, physical fitness, team sports, and sportsmanship. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach/coaches.

Health *(local district requirement)*
1 semester/.5 credit/ 1 period
Grade Placement: 9-12
This course is a study of personal health and fitness, getting along with yourself and others, nutrition and your health, drugs in our society (benefits and dangers), maintaining a healthy body, family and social health, consumer health, safety and first aid, treating, controlling, and preventing diseases, and the health of the environment and the community.

Leadership

Student Leadership I
2 semesters/ 1 credit/1 period
Grade Placement: 11-12
A course designed to provide an opportunity for a student to study, practice, and develop group and individual leadership and organizational skills; endorsed by Texas Association of Secondary School Principals (TASSP)

Peer Assistance and Leadership (PAL) I, II
2 semesters/ 1 credit/1 period
Grade Placement: 11-12
Peer Assistance and Leadership courses utilize the potential of youth to make a difference in their lives, schools and communities. PAL® nurtures and builds capacities to help youth develop protective factors, helping them to achieve school and social successes which lead to a productive life.

Public Services

Naval Science

Naval Science combines academic study with physical fitness training, military drill and instruction in citizenship and patriotism. Students must be able to fully participate in the school's physical fitness program and will be required to complete one-mile runs, pushups and sit-ups. They will be required to wear the uniform and participate in physical fitness training no less than once per week. Cadets who desire to compete with other schools should plan to practice after school with drill teams, color guards, athletic team and/or rifle teams. **All cadets** will be expected to perform once a year at the Annual Military Inspection.

NJROTC 1/Naval Science
2 semesters/1 credit/1 period
Grade Placement: 9-12
Naval Science is a multi-disciplinary course that includes an introduction to the NJROTC program and leadership; Naval Ships and Damage Control; The Nation, the Navy, and the people; sea power and maritime geography; oceanography; introduction to navigation and time; basic seamanship; first aid and health education. Physical training and wearing of the NJROTC uniform on specified days are mandatory.

NJROTC 2/Naval Science
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: NJROTC 1
Naval Science 2/3/4 emphasizes leadership, citizenship, and career planning for both military and civilian occupations. Naval history and naval weapons are introduced. Rounding out the course are navigation fundamentals, small boat seamanship, survival training, and orienteering. Students classified as JUNIORS will be REQUIRED to take the ASVAB (military entrance test) in October **and** the SAT (or ACT) in March of their JUNIOR year. Grooming standards compatible with both the NJROTC program and civilian occupations will be strictly enforced. Interview skills and attire will also be discussed and practiced. Physical training and the wearing of the NJROTC uniform on specified days are mandatory.

NJROTC 3/Naval Science
2 semesters/1 credit/1 period
Grade Placement: 11-12
Prerequisite: NJROTC 2
Naval Science 2/3/4 emphasizes leadership, citizenship, and career planning for both military and civilian occupations. Naval history and naval weapons are introduced. Rounding out the course are navigation fundamentals, small boat seamanship, survival training, and orienteering. Students classified as JUNIORS will be REQUIRED to take the ASVAB (military entrance test) in October **and** the SAT (or ACT) in March of their JUNIOR year. Grooming standards compatible with both the NJROTC program and civilian occupations will be strictly enforced. Interview skills and attire will also be discussed and practiced. Physical training and the wearing of the NJROTC uniform on specified days are mandatory.

NJROTC 4/Naval Science
2 semesters/1 credit/1 period
Grade Placement: 12
Prerequisite: NJROTC 3
Naval Science 2/3/4 emphasizes leadership, citizenship, and career planning for both military and civilian occupations. Naval history and naval weapons are introduced. Rounding out the course are navigation fundamentals, small boat seamanship, survival training, and orienteering. Students classified as JUNIORS will be REQUIRED to take the ASVAB (military entrance test) in October **and** the SAT (or ACT) in March of their JUNIOR year. Grooming standards compatible with both the NJROTC program and civilian occupations will be strictly enforced. Interview skills and attire will also be discussed and practiced. Physical training and the wearing of the NJROTC uniform on specified days are mandatory.

SPEECH

Business & Industry

Arts & Humanities

Communication Applications
1 semester/.5 credit/1 period
Grade Placement: 9-12
This course is for successful participation in professional and social life, student s must develop effective communication skills. Rapidly expanding technologies and changing social and corporate systems demand that students send clear verbal messages, choose effective nonverbal behaviors, listen for desired results, and apply valid critical-thinking and problem solving processes.

Professional Communications
1 semester/.5 credit/1 period
Grade Placement: 9-12
Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Debate 1
2 semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Communications Applications recommended
Debate 1 emphasizes augmentation and debate skills using knowledge of current events, sound critical thinking and communication skills. Practice sessions will be held two-four hours weekly after school.

Debate 2
2 semesters/1 credit/1 period
Grade Placement: 10-12
Prerequisite: Debate 1. **Description:** Debate 2 will continue to develop skills learned in Debate 1.

Debate 3
1-2 semesters/.5-1 credit/1 period
Grade Placement: 11-12
Prerequisite: Debate 2. **Description:** Debate 3 will continue to develop skills learned in Debate 2.

SPORTS MEDICINE

Sports Medicine 1- 4
2-semesters/1 credit/1 period
Grade Placement: 9-12
Prerequisite: Must have athletic department approval.
This program is designed for the care and prevention of athletic injuries.

ADDITIONAL COURSES

Personal Social Skills Levels 1-4 (Meets elective courses Individual Education Plans)
2 semesters/1 local credit/1 period/1 period
Grade Placement: 9-12
Courses are designed to meet the IEP for student's electives plan.

Activities of Daily Living Levels 1-4 (Meets elective courses Individual Education Plans)
2 semesters/1 local credit/1 period/1 period
Grade Placement: 9-12
Courses are designed to meet the IEP for student's electives plan.

Recreation and Leisure Levels 1-4 (Meets elective and/or PE equivalent courses Individual Education Plans)
2 semesters/1 local credit/1 period/1 period
Grade Placement: 9-12
Courses are designed to meet the IEP for student's electives plan.

NON-CREDIT COURSES

Courses listed below are not used toward state graduation credits.

EOC Remediation Courses
0 credits/1 period
Grade Placement: 9-12
These classes are designed to assist students with EOC preparation for retesting.

Senior Leave
0 credits/1 period
Grade Placement: 12
Senior leave permits seniors to leave one period early if they have already met all graduation requirements. **Students must have a full schedule unless in the work-program or one early release period during 8th period for seniors.**

Senior Arrival
0 credits/1 period
Grade Placement: 12
Senior arrival permits seniors to arrive one period late if they participate in a sport or activity which only meets 8th period and if they have already met all graduation requirements. Students must have a full schedule unless in the work-program or late arrival for seniors.

Student Aides
0 credits/1 period
Grade Placement: 12
Prerequisite: Staff, teacher and counselor approval required.
Students are selected based on performance, attendance, attitude and ability to maintain confidentiality.

Counselors' Office Aide Library Aide Science Lab-Aide Teacher Aide Athletic Aide
Admin Office Aide Athletic Aide Attendance Aide Nurse's Aide (must be CNA Certified)

FORMS

****SAMPLE****

TULOSO-MIDWAY HIGH SCHOOL - FOUR YEAR PLAN

Ending with class of 2017

Recommended High School Program/26 credits (Four by Four)

Student _____ ID # _____

Career Pathway/Specialization _____ College (1st Choice) _____

9th Grade Courses

20_____ - 20_____	S-1	S-2	
1. English 1/ English PAP			
2. Algebra 1/Geometry/Geom PAP			
3. Biology 1/ Biology 1 PAP			
4. W. Geography/W. Geo PAP			
PE-Dance 5. PE A/ ATH/Band/ROTC			
6. Fine Arts			
7. Pathway/Elective			
8.			
Total Credits			

10th Grade Courses

PLAN PSAT 20_____ - 20_____	S-1	S-2	
1. English 2/ English 2 PAP			
2. Geometry/Geometry PAP			
3. Chemistry/ Chemistry PAP			
4. W. History/ W. Hist PAP			
PE-Dance 5. PE A/ ATH/Band/ROTC			
6. Technology Appl			
7. Pathway/Elective			
8.			
Total Credits			

11th Grade Courses

PSAT TAKS ACT SAT DC - TSI Exempt 20_____ - 20_____	S-1	S-2	
1. English 3/ English 3 AP			
2. Algebra 2/Algebra 2 PAP			
3. Physics/Physics PAP			
4. United States History/ AP/ DC			
5. Spanish 1			
6. Health/ Communication Appl			
7. Pathway/Elective			
8.			
Total Credits			

12th Grade Courses

TAKS ACT SAT DC - TSI Exempt 20_____ - 20_____	S-1	S-2	
English 4/ English AP 1. English 4 DC			
2. Fourth Math (PreCal etc.)			
3. Fourth Science			
Government/ Government AP 4. Economics/ Econ AP/DC			
5. Spanish 2			
6. Pathway/Elective			
7. Pathway/Elective			
8.			
Total Credits			

TULOSO-MIDWAY HIGH SCHOOL: HB5 FOUR YEAR PERSONAL GRADUATION PLAN

Name: _____ **ID#** _____

Expected Graduation Date: _____ **Career Interest Results (Career Cruising):** _____

Initial Endorsement:	Endorsement Amendments:
___ STEM ___ Business & Industry ___ Arts and Humanities ___ Public Service ___ Multi-Disciplinary	Sophomore: _____ Junior: _____ Senior: _____ Final: _____
Grad Plan Type is:	**Grad Plan Amendments:**
___ Foundation ___ Foundation Plus Endorsement(s) ___ Distinguished Level of Achievement	Sophomore: _____ Junior: _____ Senior: _____ Final: _____
My Post High School Plans will take me to: ___ 2 Yr. College ___ Technical Training ___ Military ___ 4 Yr. University ___ Employment ___ Other	

Graduation Requirements	Foundation	Endorsement(s)	Distinguished	Performance Acknowledgment Options
Discipline	Credits	Credits	Credits	Dual Credit Advanced Placement (AP) Exam Performance PSAT,SAT, ASPIRE, ACT Business Industry Certification or License
English	4			
Math	3	1	Algebra 2	
Science	3	1		
Social Studies	4			
LOTE	2			
Fine Arts	1			
Physical Education	1			
Electives	3	2		
Computer Course	1			
Health/Speech	1			
Total Credits for Graduation:	**22**	**26**	**26**	

Middle School *Credit Options*	9th Grade	10th Grade	11th Grade	12th Grade
	English 1 Blk PAP	English 2 PAP	English 3 AP	Adv. English AP DC
Algebra 1 PAP	Alg. 1 Blk Alg. 1 Geom. PAP	Geometry Algebra 2 PAP	MMA Algebra 2 Adv. Math PAP DC	Algebra 2 PAP Adv. Math AP DC
	IPC Biology Chemistry PAP	IPC Bio. Chem. Phys. PAP	Chem. Phys. Adv. Sci. PAP AP	Adv. Sci. AP DC
Fine Arts	W. Geography PAP	W. History PAP	U.S. History AP DC	Government AP DC Economics AP DC
LOTE	Band 1 Drill Team 1 Cheer 1 PE ROTC 1 Ath 1: _____	Fine Arts Computer	Health Com App or Prof. Com	*Endorsement Elective*
	F.A. or Computer	LOTE	*Endorsement Elective*	*Endorsement Elective*
Endorsement Elective	LOTE	*Endorsement Elective*	*Endorsement Elective*	*Endorsement Elective*
		Endorsement Elective		

Student: _____ Student: _____ Student: _____ Student: _____ Student: _____

Parent: _____ Parent: _____ Parent: _____ Parent: _____ Parent: _____

Counselor: _____ Counselor: _____ Counselor: _____ Counselor: _____ Counselor: _____

Class of 2017

Tuloso-Midway High School
Credit Check/Diploma Plan

EOC

Student _____ ID # _____

Grade 9 [ ] Grade 10 [ ] Grade 11 [ ] Grade 12 [ ]

Diploma Plan: [ ] HSP/22 [ ] RHSP/26 [ ] *DAP/26 + 4 advanced measures

ENGLISH (4)		MATH (4)		SCIENCE • (2-4)		SOCIAL STUDIES • (3-4)	
Eng 1	1 2	Alg 1	1 2	*(IPC)*	1 2	W. Geo	1 2
Eng 2	1 2	Geom	1 2	Bio	1 2	W. Hst	1 2
Eng 3	1 2	*(MMA)*	1 2	Chem	1 2	US Hist	1 2
Eng 4	1 2	Alg 2	1 2	*Physics or PT^	1 2	Govt	Eco
			1 2		1 2		

HEALTH† (.5)		P.E. (1.0)	FINE ARTS (1)		FRN LANG (2-3)	
Health		1 2		1 2	Span 1 or ASL 1	1 2
					Span 2 or ASL 2	1 2
SPEECH (.5)		**TECH APP† (1)**			Span 3	1 2
C.A.or Prof. Comm.		1 2				

ELECTIVES	ELECTIVES	ELECTIVES	Advanced Measures (4)
1 2	1 2	1 2	
1 2	1 2	1 2	
1 2	1 2	1 2	
1 2	1 2	1 2	
1 2	1 2	1 2	

• Required for HSP (second social studies [W. Geo or W. Hist.] or third science [POT] if taken Bio. and Chem.)
*** Science requirement for DAP ^ Principles of Technology (PT - option for RHSP) † Local graduation requirement**

NOTES:

Grade 9 **Year:** _____

_____

Grade 10 **Year:** _____

_____

Grade 11 **Year:** _____

_____

Grade 12 **Year:** _____

_____

Counselor _____

(min. scores **EOCs**

_____English I Level_____

_____English II Level_____

_____ Algebra Level_____

_____Biology Level_____

_____US History Level_____

Class of 2018+

Tuloso-Midway High School
Credit Check/Diploma Plan

EOC HB5

Student _____ ID # _____

Diploma Plan:
[ ] Foundation/22 [ ] plus Endorsement(s)/26 [ ] with Distinguished Level of Achievement
**Algebra 2 required*

Endorsements:
[ ] STEM [ ] Business & Industry [ ] Arts & Humanities [ ] Public Service [ ] Multi-Disciplinary Studies

Program of Study: _____

ENGLISH (4)		**MATH (4)**		**SCIENCE • (2-4)**		**SOCIAL STUDIES • (3-4)**	
Eng 1	1 2	Alg 1	1 2	Bio	1 2	W. Geo†	1 2
Eng 2	1 2	Geom	1 2	*(IPC)*	1 2	W. Hst	1 2
Eng 3	1 2	*(MMA)*	1 2	Chem	1 2	US Hist	1 2
Eng 4/Adv	1 2	Alg 2	1 2	*Physics or PT	1 2	Govt	Eco
			1 2		1 2		

HEALTH† (.5)	**P.E. (1.0)**	**FINE ARTS (1)**	**LOTE (2-3)**	
Health	1 2	1 2	Span 1 or ASL 1	1 2
			Span 2 or ASL 2	1 2
SPEECH (.5)	**Computer Course(1)**		Span 3	1 2
C.A.or Prof. Comm.	1 2			

ENDORSEMENT ELECTIVES

1 2	1 2	1 2
1 2	1 2	1 2
1 2	1 2	1 2
1 2	1 2	1 2
1 2	1 2	1 2

PerformanceAcknowledgement
DC (12 hrs) AP PSAT SAT ASPIRE ACT

_____
_____
_____
_____

† **Local graduation requirement**

NOTES:

Grade 9: _____ **Year:** ____

Grade 10: _____ **Year:** ____

Grade 11: _____ **Year:** ____

Grade 12: _____ **Year:** ____

Counselor: _____

EOC Tests

_____ English I

_____ English II

_____ Algebra

_____ Biology

_____ US History

Tuloso-Midway High School

Pre-Registration Form 9th, 10th, 11th, 12th

Last Name: _____ First Name: _____ ID # _____

Pathway: _____

1. Study the graduation and career planning guide carefully.
2. Write your course selections in the blanks provided.
3. Select three (3) alternative courses and put the names in the blanks provided. Make sure names are correct.
4. All prerequisites must be met.

Fall Semester Course Requests

Course Title:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Spring Semester Course Requests

Course Title:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Fall Semester Alternates:

1. _____
2. _____
3. _____

Spring Semester Alternates:

1. _____
2. _____
3. _____

Tuloso-Midway High School

ENDORSEMENT: **Arts and Humanities**

Requires:

(A) Mathematics
- (1) Algebra I
- (2) Geometry
- (3) Advanced Mathematics
- (4) Advanced Mathematics

(B) Science
- (1) Biology
- (2) IPC or Chemistry
- (3) Advanced Science Course
- (4) Advanced Science Course

(C) A Coherent Sequence in the Arts and Humanities Endorsement in one of the following:
- (1) Social Studies (5 credits)
- (2) Two levels of the same language in a language other than English and two levels of a different language other than English (Spanish I&II and ASL I&II)
- (3) Fine Arts (4 credits) from one or two categories or disciplines in Fine Arts
- (4) English (4 credits)

Arts and Humanities Programs of Study

(Coherent Sequence in italics)

Social Studies *5 credits*

World Geography
World History
United States History
Government/Economics-FE
Psychology/Sociology
*Special Topics in Social Studies**

Special Note:
- * If Special Topics in Social Studies is earned, it is typically from out- of- district students or summer credit in a social studies special topics program. [i.e. Bible Studies and People to People Program]

Language other than English *4 credits*

Two levels of the same language in a language other than English and two levels of a different language in a language other than English.

Spanish I
Spanish II
American Sign Language I (ASL I)
American Sign Language II (ASL II)

Fine Arts *3 additional credits*

Coherent Sequence of four credits from one or two categories or disciplines: Fine Arts Level I Required on Foundation

A. Art II-IV
B. Music II-IV
1. *Band, Jazz, Instrumental Ensemble, Orchestra*
2. *Choir, Vocal Ensemble,*

C. Theatre II-IV
1. *Theatre Arts, Technical Theatre, Theatre Production*

English (A&H) *4 credits*

Four English Elective credits selected from the following:

English IV, AP English Literature or DC English IV (1.0)
Creative Writing (.5-1.0)
Humanities I (with Academic Decathlon) (.5-1.0)
Independent Study in English I, II, III (with Academic Decathlon) (.5-1.0)
Literary Genres (1.0)
Communication Application/with another half from above (.5/.5)

Tuloso-Midway High School

ENDORSEMENT: Business and Industry

Requires:

(A) Mathematics
- (1) Algebra I
- (2) Geometry
- (3) Advanced Mathematics
- (4) Advanced Mathematics

(B) Science
- (1) Biology
- (2) IPC or Chemistry
- (3) Advanced Science Course
- (4) Advanced Science Course

(C) A Coherent Sequence in the Business and Industry Endorsement in one of the following:
- (1) CTE (4 credits)
- (2) English (4 credits)

Business and Industry Programs of Study

(Coherent Sequence in italics)

(CTE) Plant Science *4 credits*

Prin. of Ag, Food, and Nat. Resources
Prin. and Elem of Floral Design (Fine Arts)
Landscape Des & Turf Grass Mgt
Advanced Agriculture Elective

Recommendation:
Adv. Plant and An Sci (Advanced Science)
Professional Communication .5 (speech)

(CTE) Animal Science *4 credits*

Prin. of Ag, Food, and Nat. Resources

One credit from the following:
Livestock Production (.5)
Small Animal Management (.5)
Wildlife, Fisheries and Ecology Mgt (.5)

Veterinary Medical Applications
Advanced Agriculture Elective

Recommendation:
Anatomy and Physiology (3rd Science)
Advanced Animal Science (4th Science)
Professional Communication .5 (speech)

(CTE) Ag Mech & Metal Fab *4 credits*

Prin. of Ag, Food, and Nat. Resources
Ag Mechanics and Metal Technologies
Ag Facilities Design and Fabrication
Welding at TM , CTC and dual credit (2.0)

Recommendation:
Engineering Math (Advanced Math)
Professional Communication .5 (speech)

(CTE) Architecture *4 credits*

Principles of Information Technology
Interior Design
Architectural Design
Advanced Architectural Design

Recommendation:
Engineering Math (Advanced Math)
Professional Communication .5 (speech)

(CTE) Construction (Craft Training Center Partnership) [CTC] *4 credits*

Piping and Plumbing Technology (2.0)
Advanced Piping & Plumbing Tech (2.0)

Electrical Technology (2.0)
Advanced Electrical Technology (2.0)

Instrumentation I [Electronics] (2.0)
Instrumentation II [Adv Electronics] (2.0)

Advanced Welding (2.0)

Recommendation:
Engineering Math (Advanced Math)
Engineering Design and Presentation
Professional Communication .5 (speech)

Business and Industry Programs of Study

(Coherent Sequence in italics)

(CTE) Audio Video Animation *4 credits*

Principles of Information Technology
Animation
Advanced Animation
Audio Video Production

Recommendation:
Professional Communication .5 (speech)
Digital Arts and Animation (Fine Arts)

(CTE) Emerging Info Tech 4 credits

Principles of Information Technology
Web Technology
Digital and Interactive Media
Animation

Recommendation:
Professional Communication .5 (speech)
Digital Arts and Animation (Fine Arts)

(CTE) Information Technology *4 credits*

Principles of Information Technology ◊ ^
Computer Maintenance ◊
Telecommunications and Networking ◊ ^
Web Technology
Digital and Interactive Media

Recommendation:
Professional Communication .5 (speech)
Digital Arts and Animation (Fine Arts)

(CTE) Business Management *4 credits*

Principles of Business, Management & Finance
Plus
Three credits from the following:

Business Information Management I
Business Management
Business Law/Touch System Data Entry
Business information Management II
Practicum in Business Management (2.0)

Recommendation:
Professional Communication .5 (speech)

(CTE) Finance *4 credits*

Principles of Business, Management & Finance
Plus
Three credits from the following:

Business Information Management I
Money Matters
Accounting I
Accounting II or Accounting DC

Recommendation:
Professional Communication .5 (speech)

(CTE) Marketing *4 credits*

Principles of Business, Management & Finance
Plus
Three credits from the following:

Business Information Management I
Marketing Dynamics (2-3)
Practicum in Marketing Dynamics (2-3)

Recommendation:
Entrepreneurship
Retailing & E-tailing/ Sports & Entertainment Mkt
Professional Communication .5 (speech)

(CTE) Transportation *4 credits*

Energy, Power, and Transportation Systems
Automotive Technology (2.0)
Advanced Automotive Technology (2.0)

Recommendation:
Professional Communication .5 (speech)

Business and Industry Programs of Study

(Coherent Sequence in italics)

(CTE) Process Technology (Del Mar College Partnership) *4 credits*

Special Note:

1. Process Technology is an 11-12 grade level Program
2. Need assessment levels (see your counselor)
3. PT can lead to certification and/or an Associate's degree
4. Possible college hours earned: 25
5. High school credits: 4

Reading, English and Math assessment levels (REM)
REM Levels to meet are: R1,E1,M1

Level	Fall	Spring
	5640 Introduction to Process Technology [PTAC 1302]	/ *5641 Safety, Health, and Environment I [PTAC 1308] (Health credit)*
	*5648 Business Computer Information Systems [*BCIS 1305	/ *5647 Special Topics in Communications [COMG 1391]* (speech)

Level II	Fall	Spring
	5642 Process Technology I – Equipment [PTAC 1410] .5	/ *5646 Process Technology II [PTAC 2420]*
	5645 Safety, Health, and Environment II [PTAC 2348] .5	/ *5643 Industrial Mathematics [TECM 1301]*

English (B&I) 4 credits

Three credits must be in one of the following:	*Three credits must be in one of the following:*
Advanced Journalism: Yearbook I	*Public Speaking I (speech credit)*
Advanced Journalism: Yearbook II	*Public Speaking II*
Advanced Journalism: Yearbook III	*Public Speaking III*
Additional English Elective (recommend photo/journalism)	*Additional English Elective*
Advanced Journalism: Newspaper I	*Debate I (speech credit)*
Advanced Journalism: Newspaper II	*Debate II*
Advanced Journalism: Newspaper III	*Debate III*
Additional English Elective (recommend photo/journalism)	*Additional English Elective*

Tuloso-Midway High School

ENDORSEMENT: *Public Service*

Requires:

(A) Mathematics
- (1) Algebra I
- (2) Geometry
- (3) Advanced Mathematics
- (4) Advanced Mathematics

(B) Science
- (1) Biology
- (2) IPC or Chemistry
- (3) Advanced Science Course
- (4) Advanced Science Course

(C) A Coherent Sequence in the Public Service Endorsement in one of the following:
- (1) CTE (4 credits)
- (2) JROTC (4 credits)

Public Service Programs of Study

(Coherent Sequence in italics)

(CTE) Health Science 4 credits

Anatomy and Physiology (3rd or 4th Science)
Principles of Health Science (Health credit)
Health Science
Practicum in Health Science (2.0)
Practicum in Health Science II (2.0)

Recommended to participate in both Practicum levels to gain the benefit of the various certification programs and hospital rotations such as:
- *Certified Nursing Assistant Program (CNA)*
- *Pharmacy Technician (Pharm Tech)*
- *Emergency Medical Technician (EMT)*
- *Future certifications*

(CTE) Human Services 4 credits

Principles of Human Services
Child Development/ Interpersonal Studies
Lifetime Nutrition and Wellness/ Dollars and Sense
Human Growth and Development or Child Guidance

(CTE) Education 4 credits

Principles of Education and Training
Human Growth and Development or Child Guidance
Practicum in Education and Training (2.0)

(CTE) Law, Public Safety, Corrections & Security 4 credits

Principles of Law, Public Safety, Corrections & Security
Law Enforcement I

Any two from the following:
- *Law Enforcement II*
- *Court Systems Practices*
- *Correctional Services*
- *Security Services*

JROTC 4 credits

Special Note:
- If no other PE requirement has been satisfied, then the PE Substitution of JROTC1 may satisfy the PE requirement.

Reserve Officers Training Corps (ROTC) I
Reserve Officers Training Corps (ROTC) II
Reserve Officers Training Corps (ROTC) III
Reserve Officers Training Corps (ROTC) IV

Tuloso-Midway High School

ENDORSEMENT: STEM (Science, Technology, Engineering and Mathematics)

Requires:

(A) Mathematics
- (1) Algebra I
- (2) Geometry
- (3) Algebra II
- (4) Advanced Mathematics course

(B) Science
- (1) Biology
- (2) Chemistry
- (3) Physics (may be Principles of Technology)
- (4) Advanced Science course

(C) A Coherent Sequence in the STEM Endorsement in one of the following:
- (1) CTE (4 credits)
- (2) Computer Science (four credits)
- (3) Mathematics (5 credits)
- (4) Science (5 credits)
- (5) Combination

STEM Programs of Study

(Coherent Sequence in italics)

1 (CTE) Engineering *4 credits*

Engineering Mathematics (4th Math)
Concepts of Engineering and Technology
Engineering Design and Presentation
Adv Engineering Design and Presentation

1 (CTE) Aerospace *4*

Concepts of Engineering
Aerospace (SciRD) [4th Science]
Aerospace 2 (SciRD2)
Aerospace 3 (SciRD3)

Recommendation:
Earth and Space Science

Computer Science *4 credits*

Game Programming and Design (Alg 1 required)
Mobile Application Development (TA & Alg 1 req.)
Independent Studies of Technology Applications 1
Independent Studies of Technology Applications 2

Recommendation:
AP Computer Science (Math)
Digital Arts And Animation (Tech App & Fine Arts)

Mathematics *2 additional credits*

Algebra I
Geometry
Algebra II
4th Mathematics beyond Algebra II
5th Mathematics beyond Algebra II

Science *2 additional credits*

Biology
Chemistry
Physics (maybe Prin. of Tech)
4th Advanced Science
5th Advanced Science

STEM Combo *3 additional credits*

Algebra II
Chemistry
Physics (may be Prin. of Tech.)
Coherent sequence of three (3) additional credits:
- *A. in any of the following: Engineering, Aerospace, computer science, mathematics, science or*
- *B. a combination of two of the above*

Tuloso-Midway High School

ENDORSEMENT: Multidisciplinary Studies

Requires:

(A) Mathematics
- (1) Algebra I
- (2) Geometry
- (3) Advanced Mathematics course
- (4) Advanced Mathematics course

(B) Science
- (1) Biology
- (2) IPC or Chemistry
- (3) Advanced Science course
- (4) Advanced Science course

(C) Earned credits in the Multidisciplinary Endorsement in one of the following:
- (1) Workforce Preparedness (4 advanced courses)
- (2) Postsecondary Preparedness [no remediation required] (4 advanced courses)
- (3) Four by Four to include English IV and Chemistry, recommend physics (4 credits)
- (4) Advanced Placement (4 credits)
- (5) Dual Credit (4 credits)

Multidisciplinary Programs of Study

(Coherent Sequence in italics)

Workforce/College Preparedness *4 COURSES*

Special Note:

- Most TM students will select from one of the other four Endorsements Areas specific to their academic and career goals.
- Consider the most rigorous course work for college and careers readiness

Four Advanced Courses that are not in a Coherent Sequence from within one endorsement area or among endorsement areas that prepare a student:

- *to enter the workforce successfully*

or

- *to enter postsecondary education without remediation*

Four by Four Core *4 COURSES*

Special Note:

- Most TM students will select from one of the other four Endorsements Areas specific to their academic and career goals.
- Consider the most rigorous course work for college and careers readiness

English	*Math*
English I	*Algebra I*
English II	*Geometry*
English III	*Advanced Math*
English IV	*Advanced Math*

Science	*Social Studies*
Biology	*World Geography*
Chemistry	*World History*
Advanced Science	*United States History*
Advanced Science	*Government/Economics*

Recommendation:
PAP, AP and/or Dual Credit
Algebra II
Physics/Principles of Technology

Multidisciplinary Programs of Study

cont.

(Coherent Sequence in italics)

Advanced Placement *4 credits*

Four Credits in Advanced:

A. *English*
   1. *AP English Language (English III)*
   2. *AP English Literature (English IV)*

B. *Mathematics*
   3. *AP Calculus*
   4. *AP Computer Science*

C. *Science*
   2. *AP Biology*
   3. *AP Chemistry*
   4. *AP Physics*

D. *Social Studies*
   4. *AP United States History*
   5. *AP Government (.5)*
   6. *AP Economics (.5)*

E. *Fine Arts*
   2. *AP Art Studio*

Dual Credit *4 credits*

Four Credits in Dual Credit:

A. *English*
   1. *English 1301/English 1302 (English IV)*

B. *Mathematics*
   1. *Math 1314/Math 1316 (College Alg/Trig)*
   2. *Statistical Methods 1342 (.5)*

C. *Science*
   1. *Biology 1406/1407*

D. *Social Studies*
   1. *United States History*
   2. *Government 2301/Economics 2301*
   3. *Psychology 2301/Sociology 1301*

E. *Languages other than English*
   1. *Spanish 2311/Spanish 2312 (Spanish 3)*

F. *Fine Arts*
   1. *Music Appreciation 1306 (.5)*