



# Tivy High School



## 2025-2026 Course Catalog







# Planning For the Future

## Welcome To Tivy High School

Dear Students and Parents,

Tivy High School has a tradition of offering outstanding academic courses, athletic programs, and extra-curricular activities. This tradition of excellence leads us to seek offerings that prepare our students to successfully reach their post-secondary goals – college, work-force, and beyond. The purpose of this course catalog is to provide a brief description of every course offered at Tivy High School so students can make informed choices. We ask that you familiarize yourself with the entire course catalog, including general information and graduation requirements, to ensure that you are aware of all of the opportunities available.

Each decision you make now will affect the options you have later. Challenge yourself fully and develop a plan that will prepare you for success after high school. This program guide, your counselor, teachers, parents, and school administrators all serve as resources to help you in developing the best plan. Course selections determine how the master schedule is developed. The choices you make are extremely important to the planning of our school year. Effort will be made to schedule you with your course choices, though some conflicts are unavoidable.

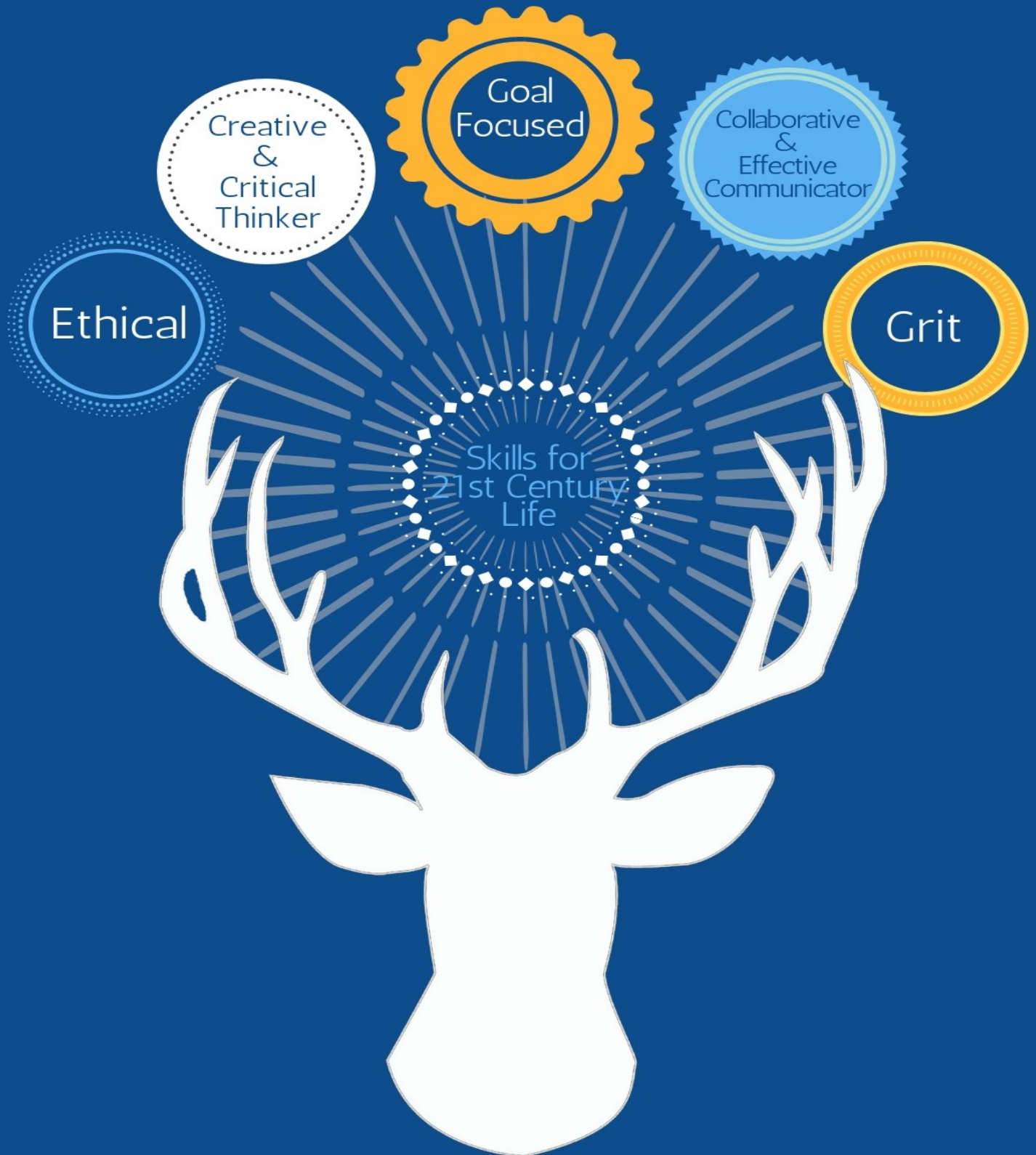
The faculty and staff at Tivy High School are here to support the success of every student. We encourage you to challenge yourself both in academic selections and in your investment in extracurricular and co-curricular activities. Research shows that students who are involved in one or more extracurricular activities stay engaged and are generally more successful in school. As you progress through your four years at Tivy High School, take advantage of all the opportunities offered, challenge yourself, and know that the staff is here to help you prepare for future success.

TFND!

**Rick Sralla**

Principal

# Kerrville ISD Profile of a Graduate



*Kerrville ISD-An educational leader in the heart of the Hill Country, inspiring all students to become lifelong learners and productive citizens.*



# KERRVILLE ISD VISION 2021

An educational leader in the heart of the Hill Country, inspiring all students to become lifelong learners and productive citizens.

## We Value...

- Students first
- Personalized learning experiences
- Preparing students for the future
- Continuous learning and improvement for KISD
- Sound fiscal management and aligned resources and goals

## We Believe...

1. Students come first in KISD.
2. Our employees are our district's greatest asset and we are a family in KISD.
3. KISD is a values-driven, data-informed organization.
4. KISD fosters a positive environment for learning, teaching *and* for connecting with our community.
5. Every student deserves the highest quality learning experiences.
6. KISD inspires lifelong learning and a culture of continuous improvement for all students and staff.
7. KISD is a destination district in our State for academics, athletics, fine arts, and student programs.

## Kerrville ISD Will...

Provide students with engaging, rigorous, and personalized academic and social-emotional learning experiences to meet individual student needs, foster student ownership in learning and develop 21st century skills for lifelong learning.

Develop future-ready students and build a strong academic foundation in literacy and math by ensuring all students are reading on grade level by grade 3 and remain on grade level and by ensuring all students successfully complete algebra coursework.

Empower all students to identify post-secondary pathways and provide personalized support for college, career, and military readiness through Science, Technology, Engineering, Arts & Math (STEAM), Career and Technology Education (CTE), workforce certification, college credit, Advanced Placement and other program opportunities.

Recruit, develop and retain employees that are student-centered, focused on continuous learning and improvement, passionate, innovative, collaborative, goal oriented and ethical.

Maintain sound fiscal management of district budgets by aligning resources to improve student learning, ensure future-ready students and meet district goals while continuously advocating for an adequate and equitable Texas public school finance system.

*"Educational Excellence in the Hill Country"*

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## GENERAL INFORMATION

The purpose of this handbook is to provide information to students and parents regarding the course offerings at Tivy High School. This guide will assist students, parents, and school personnel in planning educational programs that meet the needs and interests of students. Students who may be undecided about their post-secondary plans are not required to choose between preparation for college and preparation for employment. We strongly suggest that students undecided about their path prepare for both. See your counselor, assistant principal, or the course teacher if you need help with your course selections. For information regarding Texas financial aid programs for college, see your school counselor.

### SCHEDULING

It is important to have alternate courses in mind through the planning process in the event that a requested course does not fit into your schedule or classes become full. Once a student schedule is created, the student is expected to follow that schedule. Schedule change requests for the purpose of selecting different teachers or lunch periods will not be granted.

Student desire for courses drives our selection process and a minimum number of students must be enrolled in a course in order for that selection to be finalized. Final course offerings are determined by student interest, staffing considerations, and facility needs which might vary from year to year.

Students are expected to follow a schedule once it has been formulated. A schedule change request requires teacher/coach and parent permission. Requests to drop an AP/Dual or Pre-AP level course after the third week of school will be denied until the end of the first semester. All requests to drop an advanced course must receive Department Chair, teacher, parent, Academic Dean, and counselor approval. **Note: UT OnRamps dual courses may NOT be dropped at any time. Students in these courses must remain in the course for the entire school year.**

It is the responsibility of the student and parent to see that graduation requirements are met. Contact a school counselor for questions about courses, registration, state-required assessments, and other graduation requirements.

### ATTENDANCE REQUIREMENTS

Poor attendance adversely affects grades. Students who fail to meet minimum state standards for days in class will lose credit for the course even if a passing grade is earned. State law requires that the students must be in attendance for 90% of the days that the course is in session in order to be eligible to receive course credit(s); therefore, students will not be allowed to drop a course after the first ten days of school. Failure to meet attendance requirements may result in a loss of credit. Refer to the *Student Handbook* for details.

## ***AWARD OF CREDIT (S)***

A 70 or greater is required to earn credit for a course. For full year courses, the two semester grades will be averaged for one final grade. This grade must equal a 70 or higher for a student to receive full credit for the course. Students will be given credit proportionally for each semester grade that is a 70 or above. Students who do not achieve a combined average of 70 or greater for both semesters shall be required to repeat the semester(s) failed. Credit recovery is available for some courses during summer school.

### **Grade Level Classification**

Student classification is determined by the number of credits accumulated by the end of the preceding year. Changes in grade-level classification shall be made at the beginning of each fall semester.

Promotion standards, as established by the Individual Education Plan (IEP) or grade-level classification of students eligible for special education shall be determined by the ARD committee.

### **Grade Classification Standards: Foundations with Endorsement**

Freshman (9th grade)	0—6 credits
Sophomore (10th grade)	6.5—12.5 credits
Junior (11th grade)	13—19 credits
Senior (12th grade)	19.5—26 credits

### **Grade Classification Standards: Foundations**

Freshman (9th grade)	0—5 credits
Sophomore (10th grade)	5.5—11 credits
Junior (11th grade)	11.5—16 credits
Senior (12th grade)	16.5—22 credits

Foundations Plan	22 credits
Foundations with Endorsement	26 credits
Distinguished Level of Achievement	26 credits

### **High School Credit in Junior High**

Students who have successfully completed a designated high school level course at the junior high level may receive credit on their high school transcript. Grades earned in junior high will not count toward a student's GPA. Once credit is awarded, students cannot repeat the course for state credit. Middle school students who take a high school course associated with an EOC must take the associated EOC assessment. A middle school student taking an EOC course cannot be denied promotion on the basis of the EOC performance.

## ***ALTERNATE FORMS OF CREDIT***

### **Exams For Acceleration Without Prior Instruction**

A student may earn credit for an academic subject in which the student has received no prior instruction if the student scores an 80 percent or above on a credit by examination through Texas Tech University or the University of Texas. Please see the counseling office for an approval form. Exams for acceleration will not count toward a student's GPA or weighted grade average. There is a fee for each exam.

### **Exams for Remediation**

Credit by exam is available, through Texas Tech University or the University of Texas, to students who have failed a course with a grade no lower than a 60 and do not wish to repeat the course. A score of a 70 on the exam is required. Exams for remediation will not count toward a student's GPA or weighted grade average. There is a fee for each exam.

### **Correspondence Courses**

Correspondence courses are offered through Texas Tech University or the University of Texas. These courses have assignments online or are mailed directly to the student to be completed at home. Work must be completed online or mailed back to the university to be graded. Final Exams for correspondence courses are monitored by a counselor or administrator at Tivy High School and graded by the Texas Tech or UT professor who is assigned to the course. A passing score of 70% is required to receive credit for the on-line or correspondence courses.

**CAUTION:** To be successful in on-line and correspondence courses students must be self-motivated and have good time management skills. Grades for correspondence and credit by exam courses are given by a professor outside of KISD. District policy does not allow KISD to award weighted grade points for non-traditional forms of high school credit. **Grades earned will not factor in GPA. Form must be completed with counselor.**

### **Texas Virtual School Network—TxVSN**

The Texas Virtual School Network offers a variety of courses where both student instruction and testing occurs online. Information is available at [www.txvsn.org](http://www.txvsn.org). Students interested in learning more about course offerings through TxVSN should visit their counselor. Grades earned are not factored into GPA.

## ***EARLY GRADUATION***

Students who choose to graduate a year earlier than their expected graduation date must notify and complete a plan with their counselor during the 2nd semester of their Sophomore year. Students must have permission from their parent/guardian and the campus principal or designee. Students must complete ALL graduation and testing requirements for the Foundations with Endorsements plan. A student wishing to graduate early will not be allowed to walk if all graduation requirements are not met by the day of graduation. Students who graduate early are not eligible for the distinctions of valedictorian or salutatorian.

For more information about the Texas First Early High School Completion Program, students should speak with their counselor.

# GRADUATION REQUIREMENTS

Students entering 9th grade in 2014—2015 and after.

## Foundation High School Program

### 22 Credits\*

- 4 credits English: ELA I, II, III, one credit in any advanced English course
- 3 credits Mathematics: Algebra I, Geometry, one credit in any advanced mathematics course
- 3 credits Science: Biology and two other lab sciences
- 3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credit), and Economics (0.5 credit) or Personal Financial Literacy and Economics (0.5 credit)
- 2 credits in the same language: German, Spanish, or Computer Science available at Tivy High School.
- 1 credit Physical Education
- 1 credit Fine Arts
- 5 credits in Elective Courses

\*A 22-credit Foundation High School Plan without an endorsement requires a meeting with counselor, parent/guardian, and student. This plan will not be considered prior to Junior year.

## Foundation+ Endorsement(s)

### 26 Credits

- 4 credits English: ELA I, II, III, one credit in any advanced English course
- 4 credits Mathematics: Algebra I, Geometry, and two credits in any authorized mathematics course
- 4 credits Science: Biology and three other lab sciences
- 3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credit), and Economics (0.5 credit) or Personal Financial Literacy and Economics (0.5 credit)
- 2 credits in the same language: German, Spanish, or Computer Science available at Tivy High School.
- 1 credit Physical Education
- 1 credit Fine Arts
- 7 credits in Elective Courses
- Meet curriculum requirements for at least 1 endorsement

## Distinguished Level of Achievement

### 26 Credits

- 4 credits English: ELA I, II, III, one credit in any advanced English course
- 4 credits Mathematics: Algebra I, Geometry, Algebra 2, and one credit in any advanced mathematics course (with a prerequisite of Algebra 2)
- 4 credits Science: Biology and three other lab sciences
- 3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credit), and Economics (0.5 credit) or Personal Financial Literacy and Economics (0.5 credit)
- 2 credits in the same language: German, Spanish, or Computer Science available at Tivy High School.
- 1 credit Physical Education
- 1 credit Fine Arts
- 7 credits in Elective Courses
- Meet curriculum requirements for at least 1 endorsement

Students must complete Algebra 2, all core curriculum requirements and complete at least one endorsement. Students must earn DLA in order to be eligible for top 10% Automatic Admission to institutions of higher education.

# ENDORSEMENT OPTIONS

	<u>Program of Study</u>	<u>Level 1 Course(s)</u>	<u>Level 2 Course(s)</u>	<u>Level 3 Course(s)</u>	<u>Level 4 Course(s)</u>
<b>Business and Industry</b>	<b>Animal Science</b>	Principles of Agriculture, Food, & Natural Resources	Small Animal Management/Equine Science	Livestock and Poultry Production	Advanced Animal Science <u>or</u> Veterinary Science <u>or</u> Scientific Research & Design <u>or</u> Career Preparation General I
	<b>Agricultural Technology and Mechanical Systems</b>	Principles of Agriculture, Food, & Natural Resources	Agricultural Mechanics & Metal Technologies	Agricultural Structures Design & Fabrication	Agricultural Equipment Design & Fabrication <u>or</u> Scientific Research & Design <u>or</u> Career Preparation General I
	<b>Carpentry</b>	Principles of Construction	Construction Technology I	Construction Technology II	Career Preparation General I
	<b>Graphic Design and Interactive Media</b>	Principles of Arts, A/V Technology, & Communications <u>or</u> Digital Media	Graphic Design & Illustration I/Lab	Graphic Design & Illustration II/Lab	Career Preparation General I <u>or</u> Practicum of Graphic Design & Illustration
	<b>Digital Communications</b>	Principles of Arts, A/V Technology, & Communications	Audio/Video Production I/Lab	Audio/Video Production II/Lab	Career Preparation General I <u>or</u> Practicum of Audio/Video Production
	<b>Accounting &amp; Financial Services</b>	Principles of Business, Marketing, & Finance <u>or</u> Foundations of Business Communication and Technologies	Accounting I	Accounting II	Securities & Investments <u>or</u> Career Preparation General 1
	<b>Culinary Arts</b>	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts <u>or</u> Career Preparation General I
	<b>Automotive and Collision Repair</b>	Principles of Transportation Systems	Automotive Basics	Automotive Technology I	Automotive Technology II <u>or</u> Career Preparation General I
	<b>Aviation Pilots</b>	Principles of Transportation Systems <u>or</u> Introduction to Aerospace and Aviation	Introduction to Unmanned Aerial Vehicle Flight	Aviation Ground School	Practicum in Transportation Systems <u>or</u> Career Preparation General 1 <u>or</u> Scientific Research and Design
	<b>*English Electives Pathway- Complete 4 English credits in a coherent sequence</b>	Debate 1-3 and Independent Study Speech Newspaper 1-3 and Photojournalism Yearbook 1-3 and Photojournalism Creative and Imaginative Writing			
<b>Public Services</b>	<b>Teaching and Training</b>	Principles of Education and Training	Human Growth & Development	Instructional Practices	Practicum in Education & Training <u>or</u> Career Preparation General I
	<b>Diagnostic and Therapeutic Services OR Nursing Science</b>	Principles of Health Science	Medical Terminology	Health Science Theory <u>or</u> Anatomy & Physiology (dual option available)	Practicum in Health Science <u>or</u> Pharmacology <u>or</u> Career Preparation General I
	<b>JROTC Pathway</b>	Complete four credits in Air Force Junior ROTC			

# ENDORSEMENT OPTIONS

<b>Multidisciplinary</b>	<b>4x4 Pathway- Complete 4 credits in each of the four foundation subject areas:</b>	English Math Social Studies Science And complete English IV, Chemistry and/or Physics			
	<b>Advanced Course Pathway- Complete 4 credits in Advanced Placement or core Dual courses</b>	AP English Language, AP English Literature, Dual English IV, Dual Pre-Calculus, AP Pre-Calculus, Dual Statistics, AP Calculus, AP Biology, Dual Chemistry, AP Environmental Science, AP Physics I, AP Physics II, AP Government, AP Economics, AP Psychology, AP World History, Dual US History, AP Spanish IV, AP Music Theory, AP Studio Art			
<b>Arts and Humanities</b>	<b>Fine Arts Pathway- Complete 4 credits in the same category or 2 credits in two different categories</b>	Art Band and Jazz Band Choir Dance Orchestra Theater			
	<b>*Social Studies Pathway- Complete 3 credits required for graduation and then 2 additional credits</b>	World Geography (PreAp) World History (AP) US History (Dual) US Government (AP) Economics (Macro and Micro AP) Personal Financial Literacy and Economics Comparative Government (AP) Mexican American Studies Psychology (AP) Sociology Special Topics			
	<b>Languages Other Than English</b>	Spanish I, II, III, and IV or German I, II, III, and IV			
<b>Science, Technology, Engineering and Mathematics (STEM)</b>	<b><u>Program of Study</u></b>	<b><u>Level 1 Course(s)</u></b>	<b><u>Level 2 Course(s)</u></b>	<b><u>Level 3 Course(s)</u></b>	<b><u>Level 4 Course(s)</u></b>
	<b>Robotics and Automation Technology OR Engineering Foundations</b>	Principles of Applied Engineering	Robotics I	Robotics II	Practicum in Manufacturing <b>or</b> Career Preparation General I
	<b>Math Pathway- Complete 5 credits</b>	Complete: Algebra I, Geometry (PreAP), Algebra 2 (Honors), Pre-calculus (Dual or AP) 5 <sup>th</sup> Credit: Statistics Dual AP Calculus			
	<b>*Science Pathway- Complete 5 credits</b>	Complete: Biology (PreAP), Chemistry (Dual), and a Physics Two Advanced Sciences: Anatomy and Physiology Dual Aquatic Science Environmental Systems AP Biology Chemistry Dual AP Environmental Science AP Physics I AP Physics II Advanced Animal Science			

# FOUR YEAR PLAN

Beginning in 8th grade students, along with their parent/guardian and a school counselor, are required to complete and update a four year course plan for their high school graduation. Four year plans should be reflective of a student's interests and skills in preparation for a career after high school.

The four year plan worksheet below is a sample.

Tivy High School						Four Year Graduation Plan				DOCUMENTATION:		
Subject	Credits	9th	10th	11th	12th	ENDORSEMENT			9th Grade Review:			
English	4	English 1 Credit	English 2 Credit	English 3 Credit	English 4 Credit							Date _____ Plan _____
Math	4	Math Credit: Strategic Math, Algebra 1, Geometry PreAP	Math Credit	Math Credit	4th Math Credit				Endorsement: _____			
Science	4	Science Credit: Environmental Systems or Biology PreAP	Science Credit: Biology	Science Credit	Advanced Science Credit				Counselor _____			
Social Studies	4	World Geography	World History (recommended)	US History	Government and Economics				Student _____			
Phys Educ	1								Parent _____			
Fine Arts	1								11th Grade Review:			
Languages	2											Date _____ Plan _____
ENDORSEMENT									12th Grade Review:			Date _____ Plan _____
Endorsement Electives:	4					Endorsement: _____						
FND+ENDORSEMENT Total Credits	26	Total: 7 Credits	Total: 7 Credits	Total: 7 Credits	Total: 7 Credits	Student _____			Date _____ Plan _____			
STAAR EOC		Testing	College Readiness	Career Goals	Post-Secondary				Parent _____			Date _____ Plan _____
English I	<input type="checkbox"/>	Reading/Writing				Apply Texas Application <input type="checkbox"/>			Student _____			
English II	<input type="checkbox"/>	Math										Common Application <input type="checkbox"/>
Algebra I	<input type="checkbox"/>	PSAT	<input type="checkbox"/>	<input type="checkbox"/>		Schools:			Parent _____			
US History	<input type="checkbox"/>	SAT	<input type="checkbox"/>	<input type="checkbox"/>								
Biology	<input type="checkbox"/>	ACT	<input type="checkbox"/>	<input type="checkbox"/>		Military <input type="checkbox"/>			Notes/Goals:			
		ASVAB	<input type="checkbox"/>	<input type="checkbox"/>								
		Other Info:				Branch:						
Used with Permission: ESC-17		Financial Aid	FAFSA <input type="checkbox"/>	Scholarships <input type="checkbox"/>								

# COLLEGE AND CAREER ASSESSMENTS

## PSAT/NMSQT

Tivy High School administers the **PSAT/NMSQT** in mid-October to all 10th graders and is open to any interested 11th grader. **PSAT/NMSQT** offers high-scoring 11th graders scholarship opportunities. The **PSAT** is aligned with the College Board SAT and provides students with critical preparation and practice. Students will receive a detailed score report identifying strengths and weaknesses. College Board has affiliated with Khan Academy to provide free test prep and skill building for all students. Students can use their report to help build an individualized plan through Khan Academy ([www.satpractice.org](http://www.satpractice.org)). The SAT is used to determine college readiness and is considered in many scholarship and college admission decisions.

## SAT SCHOOL DAY

THS will also administer the **SAT** to all 11th graders during March of each year. The **SAT School Day** will be administered at no cost to the student or need to register. The SAT is a globally recognized college admission test that is accepted at all U.S. colleges. Taking the SAT and performing well is a great way to show off skills that colleges are interested in.

## TEXAS SUCCESS INITIATIVE ASSESSMENT (TSIA2)

The **TSI Assessment (TSIA2)** is designed to help Texas institutions determine if students are ready for college level coursework. Tivy High School administers the TSIA to any interested student for entry into dual credit programs or college placement. All students who take the TSIA are required to complete a pre-assessment activity and provide documentation of completion prior to testing. The cost of the TSIA is \$15 and is offered at set dates throughout the school year.

## ASVAB (ARMED SERVICES VOCATIONAL BATTERY)

The **ASVAB (Armed Services Vocational Battery)** is offered at Tivy High School in the fall semester for any junior or senior who wishes to take the exam. The ASVAB is used by the military to measure abilities and predict future academic and occupational success. The assessment provides students with data on their abilities and potential in a variety of career options. Students do not have to go into the military to sign up and take the exam.

### College Readiness Standards and the TSI (Texas Success Initiative)

College Readiness Measure	English Language Arts	Mathematics
ACT (must score at least a 23 composite and noted scores)	Tests before 2/15/23: English: 19 Tests after 2/15/23: English + Reading: 40+	Tests before 2/15/23: Math: 19 Tests after 2/15/23: Math: 22
SAT (no combined score)	Evidence-Based Reading & Writing: 480	Math: 530
TSIA2	ELAR $\geq$ 945 AND Essay $\geq$ 5 OR ELAR $<$ 945 AND Diagnostic Level $\geq$ 5 AND Essay $\geq$ 5	Math $\geq$ 950 OR Math $<$ 950 AND Diagnostic Level = 6

## ADVANCED COURSEWORK

Tivy High School offers Pre-AP, AP, and Dual Enrollment courses in various disciplines to challenge and meet the needs of GT and college-bound students. These classes have been vertically aligned to ensure that students graduating from Tivy High School will have the academic foundation and skills necessary to succeed on a college or university campus. Additionally, these courses afford students the opportunity to earn college credit hours.

Students registering for Pre-AP, AP, and Dual courses are committing to the rigors of the course; therefore, the student and parents are required to sign a course contract which must be completed and turned into the counseling office before registration is complete. Reading, reviews and assignments may be assigned over the summer. Assignments and tests during the first six weeks of school may rely on the summer coursework. Failure to complete the assignments before the beginning of the course will not be accepted as a reason for dropping the course. Students are cautioned to choose their classes carefully and to pay attention to their overall course and extra-curricular load. Students who enroll in more than 4 advanced courses (combination of Pre-AP and AP or Dual) may be required to meet and obtain special permission from an administrator prior to the beginning of the next school year.

### **PRE-ADVANCED PLACEMENT (PRE-AP/HONORS COURSES)**

Pre-Advanced Placement (Pre-AP) courses are offered in many content areas. These courses offer an enrichment of the regular curriculum taught through a variety of strategies. These strategies foster higher order thinking, critical thinking and problem solving skills. Pre-AP and Honors courses are intended to prepare students for Advanced Placement or Dual courses while covering all the required high school Texas Essential Knowledge and Skills (TEKS).

Any student may enroll in Pre-AP courses; however, when making the decision to take Pre-AP courses, consider the demands of academic and extracurricular involvement. Teachers, counselors and administrators strongly recommend that students and parents conference with the current teacher before making their final decisions. Students who choose to enroll in one or more Pre-AP course must complete an Advanced Level Course Agreement and turn in the completed form as directed by the campus. Students enrolled in Pre-AP courses may have a summer assignment. Pre-AP courses that count towards GPA and rank will receive weighted points.

### **ADVANCED PLACEMENT (AP COURSES)**

Advanced Placement (AP) courses are offered in many content areas. These courses are extremely rigorous as they are college level courses which follow a college curriculum approved by the College Board. Students taking these courses are expected to take the AP tests offered in the spring. **These tests have additional fees paid for by the student. The district may provide a reduced fee for these tests when funding is available.** Students scoring a 3, 4, or 5 on one or more of these tests may earn three or more hours of college credit. Students should consult specific colleges/universities to verify which AP scores and tests are accepted. Any student may enroll in AP courses; however, when making the decision to take AP courses, consider the demands of academic and extracurricular involvement. Students and parents need to make a commitment to accept the rigor of the course as it is described.

## AP COURSES CONTINUED

Parents should decide how much stress can be tolerated by the student and the strength of the student's time management skills. Students who choose to enroll in one or more of the AP courses must complete an Advanced Level Course Agreement form and turn in the completed form as directed by the campus. Students enrolled in AP courses may have a summer assignment. AP courses that count towards GPA and rank will receive weighted points.

### Current AP Course Offerings:

#### **English Language Arts**

English III (Language)  
English IV (Literature)

#### **Math**

Pre-Calculus  
Calculus

#### **Fine Arts**

Studio Art  
Music Theory

#### **LOTE**

Spanish Language

#### **Social Studies**

World History  
Economics (Micro and Macro)  
Government (U.S. and Comparative)  
Psychology

#### **Science**

Biology  
Environmental Science  
Physics 1 and 2

## DUAL CREDIT COURSES

Dual Credit courses are challenging, rigorous, and allow students to earn college credit while in high school. These courses fulfill high school course requirements and appear on the high school transcript. Core classes are used in calculating grade point averages with additional weighted points. **Some dual credit courses require a fee.** Students and parents will need to read the syllabi provided by each dual course instructor for more details. Dual credit courses are available through the Alamo College system, Schreiner University, and The University of Texas On-Ramps program.

College Credit is awarded through the associated college, not through KISD; therefore, the **STUDENT must request** that a college transcript be sent to the college/university the student will attend. Acceptance of credit by colleges and universities is up to the receiving institution. It is the student's responsibility to contact the college/university in regard to the acceptance of these credits. **For details on qualifications and deadlines, see the Associate Principal.**

## DUAL CREDIT COURSES CONTINUED

### **Alamo Colleges Dual Credit:**

Courses are taught by a certified Tivy High School teacher who is a qualifying adjunct professor for Alamo College. All courses are taught on campus. To enroll in a dual course through Alamo Colleges students must:

- Complete a parent consent form.
- Apply to the Alamo College dual program. Complete the online modules for the TSI.
- Meet the designated TSI or SAT/ACT requirements for the course.
- Students and parents must sign an advanced level course agreement.

### **Available Dual Courses with Alamo Colleges**

High School Course	College Credit Course
English IV	Freshman Composition ENGL 1301/1302
Business Information Management I	Intro to Word/Excel ITSW 1301/1304
Accounting I or II	Intro to Accounting/ACNT 1303 or Intro to Accounting II/Acct 1304 (Spring Semester Only)

### **Schreiner University:**

Course is taught by a certified Tivy High School teacher who qualifies as an adjunct professor.

- Complete a consent and application with application fee.
- Have qualifying SAT/ACT or PSAT scores..
- Complete all requirements by the deadline.
- Students and parents must sign an advanced level course agreement.

### **Available Dual Courses with Schreiner University**

High School Course	College Credit Course
Anatomy Physiology	Human Anatomy and Physiology, BIOL 2301

### **Grade and Attendance Requirement.**

Students must meet grade and attendance requirements to receive college credit and to be able to stay in the course for the second semester. *Students and parents need to pay close attention to the individual instructors syllabi regarding attendance requirements.* College credit may not be given if attendance requirements are not met. Classes missed for school performances or competitions will not count against the student. Students are expected to maintain passing grades to stay enrolled in a dual course for the second semester. If the student is withdrawn from the course after the college's drop date, a student may receive an "F" for the college course, rather than a "W". Dual credit classes through Alamo College and Schreiner University result in a permanent college record after the census date.

# UNIVERSITY OF TEXAS ONRAMPS

## University of Texas OnRAMPS:

Courses are a combination of classroom instruction by a certified Tivy High School teacher and online instruction with a qualified professor from the University of Texas. **Students are NOT allowed to drop the course once they begin. Strong attendance is necessary for success due to the rigor and pacing of UT OnRamps courses.** For more information go to [www.onramps.utexas.edu](http://www.onramps.utexas.edu)

- Qualification for the college credit portion will depend upon the quality and completion of assignments during the Fall Semester. All courses are year long.
- Students and parents must sign an advanced level course agreement.
- **OnRamps courses have additional fees paid for by the student. The district may provide a reduced fee when funding is available or when fee waivers have been approved.**

### Available Dual Courses with UT OnRamps

High School Course	College Credit Course
Chemistry	Principles of Chemistry 1 and Lab: TCCN CHEM 1311 and CHEM 1111 (Pre-Requisite– High School Chemistry)
Statistics	Elementary Statistical Methods: TCCN Math 1342
*US History <b>(fees will apply for two 3-hour courses)</b>	US History 1492—1865: TCCN HIST 1301 (Fall) US History Since 1865: TCCN HIST 1302 (Spring)
Computer Science 1	Elements of Computers and Programming: CS 303E

# EARLY COLLEGE HIGH SCHOOL

Students grades 9 through 12 can earn a high school diploma AND up to 60 transferable college credit hours in four years at NO COST. Early College High School (ECHS) students are given the tools to succeed while immersed in a higher education experience, beginning their freshman year of high school and ending with an Associate's degree or up to 60 hours of college credit, accepted at all Texas public colleges and universities.

Early College High School is made possible through a partnership with Northwest Vista College (NVC). Tivy Early College High School is a school within a school model; meaning students will take all courses at the Tivy High School campus.

The 2025-2026 school year will be the first ECHS cohort of Freshman students. Students must apply and be accepted into the ECHS cohort based on the Admissions Policy and timelines.

## **College-focused, Success-oriented**

- Equivalent of two years of college FREE includes tuition, books, and transportation.
- Students begin taking college courses as early as 9th grade with a structured sequence of courses that leads to an Associate's degree or towards a Bachelor's degree.
- Students are taught study methods and organizational strategies to help them boost their academic skills.
- Classes will be rigorous, with most being advanced (Pre-AP, Advanced Placement and/or Honors) or dual credit courses.
- Frequent advisory provides 1:1 academic support and personal encouragement.

**All Tivy ECHS students are required to be enrolled in the following courses during their Freshman year\*:**

### ***NVC EDUC 1300***

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

### ***NVC SPCH 1315***

This course focuses on research, composition, organization, delivery, and analysis of speeches for various purposes and occasions. This course is designed for students who want to improve skills in public speaking. Emphasis is on critical thinking and refining techniques of speaking.

\*The course of study crosswalk outlining the four-year plan of coursework will be provided to students who are accepted into the ECHS cohort.

# PLANNING FOR COLLEGE

It is important for students to understand that each year of high school will count towards preparing for college, technical school, or post-secondary options. The activities, classes, volunteer projects, clubs, and extra-curricular programs they choose will impact not only their personal development, but will also provide a picture of the student to colleges or technical schools.

Plan a challenging program of classes to take based on the strengths of the student. It is much better to make respectable grades in a challenging course rather than outstanding grades in easy ones. Keep copies of all academic and extra-curricular awards you receive throughout your high school career. Get involved with academic enrichment programs, summer workshops, paid or volunteer work, clubs, and activities or sports. Colleges and technical schools look for evidence of a well rounded student through the application, essay, transcript, letters of recommendation, and interviews.

Sophomores and juniors will take the PSAT to assist them in preparing for the SAT. The PSAT results include a personalized study plan that all sophomores and juniors can access to prepare for the SAT. Juniors are encouraged to sign up and take the SAT in the spring of their junior year. Also, all students should utilize the expertise and services of their school counselor. The counselor can assist with all aspects of the college preparation process through offering personality assessments, career investigation tools, college application guidance, scholarship and financial aid exploration, and more.

Juniors and seniors should take advantage of opportunities to visit colleges and universities. This is an excellent way to find out more about the campus life, academic programs, and financial aid. Two college days are allowed for Juniors and Seniors. Students may use those days either 1st or 2nd semester. They can also provide great insight into the right college “fit” for the student.

## ***CO-ENROLLMENT***

In an agreement with Schreiner University, college courses are available for students in the 12th grade and at least 16 years old. Students must meet Schreiner University’s co-enrollment entrance requirements. Courses are limited to the space available and what will fit into the student’s high school schedule. Students may not miss time in another college level course, such as AP or Dual to participate in co-enrollment. Students must maintain fulltime enrollment at Tivy High School, which requires a minimum of four state credit courses. In addition, courses that are offered as an advanced course on Tivy High School’s campus are not eligible for co-enrollment at Schreiner University.

Tuition is free for one 3 hour course per semester, however students may be required to purchase textbooks and materials. These courses are not affiliated with Tivy High School and do not count towards a student’s graduation requirements and the student’s GPA. Each day a student does not have a class at Schreiner University, the student is required to attend a local credit course at Tivy High School. For days a student is scheduled to attend Schreiner, they will be assigned “Off-Campus.” State and campus attendance requirements must be met. Students and

# ADVANCED LEVEL COURSE AGREEMENT

Pre-Advanced Placement/Honors/Horizons/Advanced Placement/Dual Enrollment courses challenge and enrich motivated students to expand their education beyond the typical high school program. Advanced coursework develops skills and content background to prepare students for college-level work in Advanced Placement (AP) or Dual Enrollment courses. Advanced course work requires the student to read complex material, to make inferences, and think critically. Students will complete quality research applicable to the course content. Success requires the student’s commitment to the expectations of the Advanced Level Course Program(s).

**Students will be expected to:**

- Budget time effectively and efficiently; develop study skills.
- Attend tutoring regularly if needed; come to school early and/or stay late in order to attend tutoring.
- Complete any summer reading or review.
- Adhere to the Honor Code; do their own work and exhibit academic honesty. Students who choose to break the Honor Code will be subjected to grade and disciplinary consequences and possible expulsion from the advanced level course. This includes the inappropriate use of AI tools.
- Participate in all AP exams for all AP courses a student is enrolled. Students must pay for AP exam fees not covered by the district. AP and Dual students cannot exempt their fall final exams.
- Attend the AP/Dual Showcase in the Spring.

***Success requires support from all stakeholders: students, parents, teachers and counselors.***

\_\_\_\_\_ **Student:** I agree to organize my time and effort to successfully complete the challenging work. I have read the course description(s) and agree to the college preparatory or college level requirements of the course(s). I understand that I may need to regularly attend tutoring. All work submitted will be original and will exhibit academic integrity and honesty.

\_\_\_\_\_ **Parent:** I understand the challenging course requirements and agree to help my son/daughter organize study time in support of class assignments and requirements. I will notify the teacher immediately of any concern I have relating to the advanced course(s). I understand that my son/daughter may need to regularly attend tutoring.

**Teacher(s):** The teacher will conduct the course(s) at a college preparatory pace appropriate to the grade level or at a college level for AP/Dual courses as approved by the College Board, Alamo Colleges system and KISD curricula. Students and parents will be notified in a timely fashion if student work and/or assessments are unsatisfactory. The teacher will be available for tutoring. The student may enroll in any Pre-AP or AP/Dual course(s) provided the student and parent agree to the commitment on this form.

**Drop Policy:** All schedule considerations must be made prior to the first day of school for the fall semester. Students must remain in the course for 3 weeks of school. Students may begin the schedule change request process between the 4th and 6th weeks of school or within the first 10 days of the 2nd semester. Requests must be submitted by the end of the first six weeks. If all of the processes have been approved and followed, the student’s schedule will be changed. Students and parents must be aware that grades earned in an advanced course follow the student to the on-level course and will be included in the student’s overall course average.. **Note: Drop policy does NOT apply to UT OnRamps courses. Students enrolled in OnRamps courses must remain in the course for the entire school year.**

Students may not transfer from one AP course to another. Only transfers to a regular core class will be honored. Grades do not transfer with weighted points.

After the 1st six weeks, students must remain in the course until the end of the semester. During the 2nd semester, students have 10 school days to begin and complete the transfer process.

Teachers may request a student be changed to a regular class if they see the student encountering great difficulty with the challenging course content. Parent approval is required, as well as consultation with the Academic Dean and/or Principal.

**I agree to commit the time and effort required for the challenging coursework. I understand that I may need to attend tutoring on a regular basis. I agree to follow the academic Honor Code. I have carefully considered the time and academic requirements for both academic and extracurricular activities.**

**Student Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Parent Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

# RANK AND GRADE POINT AVERAGE

## Tivy High School Grading System

Assignments, tests, projects, classroom activities, and other instructional activities shall be designed so that the student's performance indicates the level of mastery of the designated district objectives. The student's mastery level shall be a major factor in determining the grade for a subject or course.

100—90 = A      89—80 = B      79—70 = C      69 or below = F

When letter grades are transferred in, the following conversion table shall be in effect:

A+ = 98	B+ = 88	C+ = 79	D+ = 72	F = 60
A = 95	B = 85	C = 77	D = 71	
A- = 92	B- = 82	C- = 75	D- = 70	

## CLASS RANK

Graduating seniors shall be ranked within the graduating class on the basis of weighted grade averages computed for designated high school courses taken during grades 9—12 on completion of the fifth grading period of the second term of grade 12. Class rank shall be computed by adding semester grades for the courses outlined in Kerrville ISD's regulation EIC-R for ranking, and then dividing by the number of grades earned (GPA). The weights shall be added before the average is computed. The actual non-weighted grade earned will be posted on the transcript. Grade weights will be assigned to grades earned in identified courses for purposes of class ranking in accordance with the following scale:

Advanced Placement (AP)/Pre-AP/Honors	+10
Dual Enrollment	+10
Academic	0

## Courses Excluded from Class Rank and GPA

Grades earned through correspondence, summer school, co-enrollment courses, TxVSN, credit by examination, and middle school will not be included in class rank. Advanced level elective courses are not weighted because they are not used to calculate GPA. Courses awarded to a transfer student by their previous school will be presented to a committee for final determination. The committee will evaluate sufficient information regarding the transferred coursework to determine that the curriculum and rigor are aligned with district standards.

The district committee will determine if applying additional points is appropriate through the audit process.

Courses that are modified by the student's ARD committee where the required content of the TEKS are reflected in the IEP shall not earn the same number of grade points as academic level courses.

## ***CLASS RANK CONTINUED***

### **Rank as it Applies for Early Graduates**

A student's weighted class rank will be determined within the graduation class of the school year in which the student completes all requirements for a diploma, regardless of the number of years the student is enrolled in high school. Early graduates will be eligible for honors recognition but not for valedictorian or salutatorian distinctions.

### **Grade Point Average (GPA)**

GPA is the numerical average of the semester grades for each course outlined in Kerrville ISD's regulation EIC-R, and then dividing by the number of grades earned. As with rank, grades earned through correspondence, summer school, credit by examination, TxVSN, and middle school will not be included in the GPA. The GPA will be reported on the final transcript.

### **Valedictorian and Salutatorian**

To be chosen as valedictorian or salutatorian, a student shall have:

1. The highest grade point average based on identified courses to be valedictorian.
2. The second highest grade point average based on identified courses to be salutatorian.
3. Been continuously enrolled in the District for at least two school years prior to graduation and must be enrolled at the time of graduation. Early graduates will be assigned class rank but will not be eligible for valedictorian or salutatorian honors.

If a tie remains after calculation of weighted grade average to the fourth decimal point, the students with identical class rank shall share the honor.

### **Transcripts**

According to the Texas Education Agency, an official copy of a transcript must be sent directly from one institution to another. It cannot be placed in the hands of a student, student's parent, or guardian. Official and unofficial copies of transcripts are available from the Registrar.

## PERFORMANCE ACKNOWLEDGEMENT

Students who will graduate with a Foundations diploma may be eligible to receive recognition on their transcript for outstanding performance in the following areas:

**Dual Credit**—Earn at least 12 college hours with a minimum GPA of 3.0 on a scale of 4.0 from the college.

**Bilingualism/Biliteracy**—Complete all ELA requirements with a minimum GPA of an 80, on a scale of 100, and satisfy one of the following:

- Three credits of the same LOTE with a minimum GPA of 80, on a scale of 100.
- Demonstrate proficiency in a level IV or higher in a LOTE with a minimum GPA of an 80.
- In a LOTE, score a 3 or higher on an Advanced Placement exam or perform Intermediate High on a national assessment.

ELL students must also have met the exit criteria for the ESL program and score at the Advanced High level on TELPAS.

**College Board Advanced Placement**—Earn a score of at least a 3 or above on an Advanced Placement examination.

**PSAT/SAT/ACT-PLAN/ACT**— Meet the requirements for one of the following:

- Earn a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, or as an awardee of the National Recognition Programs of the College Board; *or*
- earn a composite score of 442 on the ACT Aspire™ examination;
- earn a composite score of 29 on the ACT PreACT® examination;
- earn a total score of at least 1350 on the SAT®; *or*
- earn a composite score on the ACT® examination of 29 (excluding the writing subscore).

**Certification or License**—

Performance on an examination(s) sufficient to obtain a nationally or internationally recognized business or industry certification or a government-required credential to practice a profession. Certifications and licensures must meet the standards set in TAC Chapter 74.14, Subchapter B.

# CAREER AND TECHNOLOGY COURSE LISTINGS

Career and technical education programs offer a sequence of courses that provide students with relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions. CTE courses are designed to be taken in a coherent sequence. Course availability will depend upon student interest, prerequisites and qualifications. Advanced courses can have limited openings. Students are strongly encouraged to align their 4 year plan with CTE course sequences in mind. All Programs of Study have the option of taking Career Preparation General as the Level 4 course, as long as employment falls within the pathway (see pages 12-13).

Course	Credits	Course Level
<b>Agriculture, Food and Natural Resources Cluster</b>		
Students may be able to earn the following certifications: CareerSafe-Start Safe Stay Safe, Elanco Fundamentals of Animal Science, Elanco Veterinary Medical Applications, OSHA Certification, and Welding certification.		
Principles of Agriculture, Food and Natural Resources	1	Level 1
Small Animal/Equine Science	1	Level 2
Agricultural Mechanics and Metal Technologies	1	Level 2
Livestock and Poultry Production	1	Level 3
Agricultural Structures Design and Fabrication	1	Level 3
Agricultural Equipment Design and Fabrication	1	Level 4
Advanced Animal Science	1	Level 4, Science Credit
Veterinary Science	1	Level 4
<b>Arts, Audio/Video Technology and Communications</b>		
Students may be able to earn certifications in the Adobe Creative Suite: Premiere Pro, and After Effect.		
Principles of Arts, Audio/Video Technology	1	Level 1
Audio/Video Production I	1	Level 2
Audio/Video Production II	1	Level 3
Practicum in Audio/Video Productions	2	Level 4
<b>Graphic Design and Interactive Media</b>		
Principles of Arts, Audio/Video Technology	1	Level 1
Digital Media	1	Level 1
Graphic Design and Illustration I	1	Level 2
Graphic Design and Illustration II	1	Level 3
Practicum in Graphic Design & Illustration	2	Level 4
<b>Business, Management and Finance</b>		
Students may be able to earn certifications in the Microsoft Office Suite: Specialist Outlook, Specialist PowerPoint, Specialist/Expert Word, Specialist/Expert Excel, and Quick Books.		
Principles of Business, Marketing, & Finance	1	Level 1
Foundations of Business Communication and Technologies	1	Level 1, Dual option
Accounting I	1	Level 2, Dual option
Accounting II	1	Level 3, Dual option
Securities & Investments	1	Level 4

# CAREER AND TECHNOLOGY COURSE LISTINGS

Course	Credits	Course Level
<b>Health Science</b>		
Students may be able to earn BLS/ AED, First Aid certification, EKG/ECG Technician, Certified Nursing Assistant, Medical Assistant and Phlebotomy certification.		
Principles of Health Science	1	Level 1
Medical Terminology	1	Level 2
Health Science Theory	1	Level 3
Anatomy Physiology (Dual option available)	1	Level 3, Science Credit, Dual Option
Pharmacology	1	Level 4
Practicum in Health Science	2	Level 4
<b>Hospitality and Tourism</b>		
Students may earn Servsafe, Food Handler, and Manager certifications.		
Introduction to Culinary Arts	1	Level 1
Culinary Arts	1	Level 2
Advanced Culinary Arts	2	Level 3
Practicum in Culinary Arts	2	Level 4
<b>Education and Training</b>		
(ONLY Level 4 course available to students already in the pathway)		
Principles of Education and Training	1	Level 1 (not available)
Human Growth and Development	1	Level 2 (not available)
Instructional Practices	2	Level 3 (not available)
Practicum in Education and Training	2	Level 4

# CAREER AND TECHNOLOGY

## Continued

Career and technical education programs offer a sequence of courses that provide students with relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions. CTE courses are designed to be taken in a coherent sequence. Course availability will depend upon student interest, prerequisites and qualifications. Advanced courses can have limited openings. Students are strongly encouraged to align their 4 year plan with CTE course sequences in mind.

Course	Credits	Course Level
<b>Transportation, Distribution and Logistics</b>		
Students may be able to complete entry level ASE certifications.		
Principles of Transportation Systems	1	Level 1
Automotive Basics	1	Level 2
Automotive Technology I	2	Level 3
Automotive Technology II	2	Level 4
<b>Aviation Pilots</b>		
Students may be able to complete the FFA Part 107 Remote Drone Pilot Certification		
Principles of Transportation Systems	1	Level 1
Introduction to Aerospace and Aviation	1	Level 1
Introduction to Unmanned Aerial Vehicle Flight	1	Level 2
Aviation Ground School	1	Level 3
Practicum in Transportation Systems	2	Level 4
<b>Architecture and Construction</b>		
Students may be able to earn OSHA 10 certificate and OSHA 30 certificate.		
Principles of Construction	1	Level 1
Construction Technology I	2	Level 2
Construction Technology II	2	Level 3
Career Preparation General	2	Level 4
<b>Robotics and Automation Technology</b>		
Principles of Applied Engineering	1	Level 1
Robotics I	1	Level 2
Robotics II	1	Level 3
Practicum in Manufacturing	2	Level 4

# ELECTIVE COURSE OFFERINGS

## AGRICULTURE, FOOD, AND NATURAL RESOURCES

### PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9–11, Level 1*

*Endorsement: Business and Industry*

*Course Key: PRINAF*

*Service ID: 13000200*

This is a prerequisite course that enhances the agricultural comprehension of young adults. Come learn why agriculture is more than just farming. Students will learn about the diversity of agriculture and the effects it has in our world. This course will help students expand their leadership and communication skills. The course will focus on the elements of FFA and a basic study of soil, plants, and various livestock species.

### SMALL ANIMAL MANAGEMENT

*Credits: 0.5 (CTE)*

*Prerequisites: Principles of Agriculture*

*Grades: 10-12, Level 2*

*Endorsement: Business and Industry*

*Course Key: SMANIM*

*Service ID: 13000400*

Students will study the characteristics of small animals and the impact they have on the U.S. agricultural industry. Students will have the opportunity to learn about careers associated with small animals, such as dogs, cats reptiles, birds, and amphibians. Students will also learn about management, nutrition, genetics, reproduction, common diseases and pests associated with small animals.

### EQUINE SCIENCE

*Credits: 0.5 (CTE)*

*Prerequisites: Principles of Agriculture*

*Grades: 10-12, Level 2*

*Endorsement: Business and Industry*

*Course Key: EQUINE*

*Service ID: 13000500*

*This course will allow students to explore the economic and social impacts of the equine industry. Students will learn about the nutritional needs, management, and health of equines, such as horses, mules, and donkeys.*

### LIVESTOCK AND POULTRY PRODUCTION

*Credits: 1 (CTE)*

*Prerequisites: at least two credits in Ag Pathway, with one being Level 2 or higher*

*Grades: 10–12, Level 3*

*Endorsement: Business and Industry*

*Course Key: LIVEPR*

*Service ID: 13000300*

Students will develop knowledge and skills related to animal systems such as beef, cattle, dairy cattle, swine, sheep, goats and poultry. Students will explore career opportunities, job requirements and industry expectations.

### ADVANCED ANIMAL SCIENCE

*Credits: 1 (CTE and 4th Science credit)*

*Prerequisites: Biology, Chemistry or IPC, Algebra I, Geometry and either Livestock Production or Small Animal and Equine*

*Grades: 11-12, Level 4*

*Endorsement: Business and Industry*

*Course Key: ADANSC*

*Service ID: 13000700*

Students will acquire knowledge and skills related to animal systems. Topics will include animal reproduction, selection and grading, anatomy and physiology, growth and development, and animal industry standards. Instruction is designed to allow for the application of scientific and technological aspects of animal science through hands-on field and laboratory experiences.

### VETERINARY SCIENCE

*Credits: 1 (CTE)*

*Prerequisites: Small Animal and Equine, or Livestock Production*

*Grades: 11-12, Level 4*

*Endorsement: Business and Industry*

*Course Key: VETMED*

*Service ID: 13000600*

This course introduces students to veterinary medicine and other animal science industries. Students have the opportunity to develop technical skills through grooming and handling of animals. Concepts learned include health, nutrition, examinations, diseases, sanitation, and regulatory programs of small and large animals.

## **AGRICULTURE, FOOD, AND NATURAL RESOURCES**

### **AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES**

*Credits: 1 (CTE)*

*Prerequisites: Principles of Agriculture*

*Grades: 9–11, Level 2*

*Course Key: AGMETE*

*Endorsement: Business and Industry*

*Service ID: 13002200*

Students will develop skills related to agricultural mechanics in the areas of electrical wiring, plumbing, carpentry, fencing, concrete, tool operation and metal working techniques. Students will also learn how to weld using Oxy-Fuel, Arc, and MIG techniques. Industry standard safety techniques and procedures are an integral part of each lesson. (OSHA 10 certification offered)

### **AGRICULTURAL STRUCTURES DESIGN AND FABRICATION**

*Credits: 1 (CTE)*

*Prerequisites: Ag Mechanics and Metal*

*Grades: 11–12, Level 3*

*Course Key: AGSDF*

*Endorsement: Business and Industry*

*Service ID: 13002300*

This course prepares students to evaluate, design and construct agricultural structures and will expand on the introduction of skills taught in Ag Mechanics and Metal. Students will learn to interpret construction plans and calculate cost

for materials. Students will be expected to plan, design and complete an agricultural structure. Industry standard safety techniques and procedures are an integral part of each lesson. (AWS D9.1 certification offered)

### **AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION**

*Credits: 1 (CTE)*

*Prerequisites: Ag Mechanics and Metal*

*Grades: 11–12, Level 4*

*Course Key: AGEQDF*

*Endorsement: Business and Industry*

*Service ID: 13002350*

Students will learn the principles of design and fabrication related to agricultural machinery and equipment. Students will expand on the introduction of skills taught in Ag Mechanics and Metal. Students will practice various construction techniques and demonstrate knowledge of laws and regulations related to the construction, design, and fabrication of agricultural equipment. Industry standard safety techniques and procedures are an integral part of each lesson. (AWS D9.1 certification offered)

## **ARTS, AUDIO VISUAL TECHNOLOGY, AND COMMUNICATIONS**

### **PRINCIPLES OF ART AUDIO/VIDEO TECHNOLOGY**

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9–10, Level 1*

*Course Key: PRINAA*

*Endorsement: Business and Industry*

*Service ID: 13008200*

This course provides basic exploration of the elements of design, including an introduction to some of the Adobe Creative Suite and Microsoft Office Suite. Students utilize a variety of media to explore individual expression and learn to analyze work to further their artistic growth.

### **DIGITAL DESIGN AND MEDIA**

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9-12, Level 1*

*Course Key: DIMEDI*

*Endorsement: Business and Industry*

*Service ID: 13027800*

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment.

### **GRAPHIC DESIGN AND ILLUSTRATION I**

*Credits: 1 (CTE)*

*Prerequisites: Principles of Audio/Video*

*Grades: 10–12, Level 2*

*Course Key: GRAPHD*

*Endorsement: Business and Industry*

*Service ID: 13008800*

This course introduces students to the creative aspect of technology in regards to the fundamental elements and principles of design, visual art and visual communications. In addition to developing knowledge and skills needed for success in the audio/video career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Student will learn how to use the Adobe Photoshop Software.

# ARTS, AUDIO VISUAL TECHNOLOGY, AND COMMUNICATIONS

## GRAPHIC DESIGN AND ILLUSTRATION II

*Credits: 1 (CTE)*

*Prerequisites: Graphic Design and Illustration I*

*Grades: 11–12, Level 3*

*Course Key: GRAPD2*

*Endorsement: Business and Industry*

*Service ID: 13008900*

This class provides students with the opportunity to develop an advanced understanding of the content knowledge and skills mastered in Graphic Design I. Students will master Adobe Photoshop and Illustrator and may have the opportunity to earn the Adobe certification (ACA).

## PRACTICUM OF GRAPHIC DESIGN AND ILLUSTRATION

*Credits: 2 (CTE)*

*Prerequisites: Graphic Design I and Graphic Design II*

*Grades: 11-12, Level 4*

*Course Key: PRACGD*

*Endorsement: Business and Industry*

*Service ID: 13009000*

Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experience or career preparation opportunities.

## AUDIO VIDEO PRODUCTION I

*Credits: 1 (CTE)*

*Prerequisites: Principles of Art Audio/Video*

*Grades: 10–12, Level 2*

*Course Key: AVPROD*

*Endorsement: Business and Industry*

*Service ID: 13008500*

Students will develop an understanding of the film industry with a focus on pre-production, production, and post-production audio and video activities. Students acquire the knowledge of industry standard hardware, tools and software including Adobe Premiere Pro and Adobe After Effects. Students can earn their certification in Adobe After Effects.

## PRACTICUM OF ART AUDIO/VIDEO TECHNOLOGY

*Credits: 2 (CTE)*

*Prerequisites: Audio/Video I and Audio/Video II*

*Grades: 11-12, Level 4*

*Course Key: PRACAV*

*Endorsement: Business and Industry*

*Service ID: 13008700*

Students will be expected to develop an increased understanding of the industry with a focus on applying pre-production, production, and post-production audio, video activities in a studio environment.

## AUDIO VIDEO PRODUCTION II

*Credits: 1 (CTE)*

*Prerequisites: Audio, Video Production I*

*Grades: 10–12, Level 3*

*Course Key: AVPADV*

*Endorsement: Business and Industry*

*Service ID: 13008600*

Students will continue the study of advanced film production. Instruction is designed to enhance skill development in movie, video and television production careers. Students will utilize their skills in real-world experiences while assisting with production of videos for Kerrville ISD and the campus or district websites. Students will master Adobe Premiere Pro and may qualify to take the Adobe Certification exams (ACA).

# TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

## PRINCIPLES OF TRANSPORTATION SYSTEMS

*Credits: 1(CTE)*

*Prerequisites: None*

*Grades: 9-12, Level 1*

*Course Key: PRINTR*

*Endorsement: Business and Industry*

*Service ID: 13039250*

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

## AUTOMOTIVE BASICS

*Credits: 1 (CTE)*

*Prerequisites: Application, preference to those with endorsement*

*Grades: 10, Level 2*

*Course Key: AUTOBA*

*Endorsement: Business and Industry*

*Service ID: 13039550*

Students in the automotive basics course will gain knowledge of the automotive industry including, automotive history, safety, shop equipment, power and hand tools, vehicle subsystems, service publications, professional responsibilities and certification. Students gain basic knowledge and hands-on experience performing automotive repairs/maintenance on a routine basis.

## AUTOMOTIVE TECHNOLOGY I

*Credits: 2 (CTE)*

*Prerequisites: Application, Instructor Approval*

*Grades: 11, Level 3*

*Course Key: AUTOT1*

*Endorsement: Business and Industry*

*Service ID: 13039600*

Students will gain knowledge and hands-on experience working with many modern passenger vehicle systems such as brake systems, heating and cooling systems, gasoline/diesel engines, electrical systems, steering systems and transmissions. Student will also perform midlevel automotive repairs/maintenance on a routine basis.

## AUTOMOTIVE TECHNOLOGY II

*Credits: 2 (CTE)*

*Prerequisites: Automotive Technology I*

*Grades: 12, Level 4*

*Course Key: AUTOT2*

*Endorsement: Business and Industry*

*Service ID: 13039700*

Students will gain advanced level knowledge and hands-on experience working with all modern passenger vehicle systems. Students will also perform all levels of vehicle repair/maintenance on a routine basis. Students will be given the opportunity to receive student level industry certifications and explore post-secondary technical training programs and job opportunities. Students may qualify to earn ASE certifications.

## INTRODUCTION IN AEROSPACE AND AVIATION

*Credits: 1(CTE)*

*Prerequisites: None*

*Grades: 9-11, Level 1*

*Course Key: INTAEA*

*Endorsement: Business and Industry*

*Service ID: N1304672*

The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration.

## INTRODUCTION IN UNMANNED AERIAL VEHICLES

*Credits: 1(CTE)*

*Prerequisites: Introduction to Aerospace and Aviation or Introduction to Aircraft Technology*

*Grades: 10-12, Level 2*

*Course Key: PRINUA*

*Endorsement: Business and Industry*

*Service ID: N1304670*

The Introduction to Unmanned Aerial Vehicles (UAV) Flight course is designed to prepare students for entry-level employment or continuing degrees in piloting UAV operations. Students will learn UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures and environmental and human factors involved in the UAV industry.

## ***TRANSPORTATION, DISTRIBUTION, AND LOGISTICS***

### AVIATION GROUND SCHOOL

*Credits: 1(CTE)*

*Prerequisites: Introduction to Unmanned Aerial Vehicles*

*Grades: 11-12, Level 3*

*Course Key: AVIAGS*

*Endorsement: Business and Industry*

*Service ID: N1304675*

This course is designed to extend student interests in all aspects of aviation while preparing students to take the formal ground requisite exam for the Federal Aviation Administration (FAA) FAA Airman Knowledge Test which is required to obtain a private pilot's license. The rigor of the course challenges students with complex aeronautical, engineering, weather, management and judgment concepts. Rules, regulations, obligations and commitments to discipline and focus are foundational throughout the course.

### PRACTICUM IN TRANSPORTATION SYSTEMS

*Credits: 2(CTE)*

*Prerequisites: Aviation Ground School*

*Grades: 12, Level 4*

*Course Key: PRACTR*

*Endorsement: Business and Industry*

*Service ID: 13040450*

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or work based.

## ***BUSINESS, MARKETING, AND FINANCE***

### FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9—12, Level 1*

*Course Key: BUS1M1*

*Endorsement: Business and Industry*

*Service ID: 13011400*

Students will develop their personal and interpersonal skills in order to strengthen their individual performance in the workplace and society to make a successful transition to the work force and post secondary education. Students will learn to apply technical skills through Office 2019 to include: Word, Excel, Access, PowerPoint and Outlook. Students may earn Microsoft Office Specialist certifications.

### FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES DUAL CREDIT

*Credits: 1 (CTE)*

*Prerequisites: Passing score on Algebra I STAAR*

*Grades: 9—12, Level 1*

*Course Key: BUS1D1 & BUS1D2*

*Endorsement: Business and Industry*

*Service ID: 13011400*

Students who meet the entry qualifications for dual enrollment can earn up to 6 hours of college credit. This course covers the same high school curriculum as BIM I, with additional requirements from Alamo Colleges to meet the curriculum for ITSW 1301, working with word processing, and ITSW 1304, working with spreadsheets.

### BUSINESS COMMUNICATION AND TECHNOLOGIES DUAL CREDIT

*Credits: 1 (CTE)*

*Prerequisites: BIM 1 (non-dual)*

*Grades: 10—12, Level 1*

*Course Key: BUS2D1 & BUS2D2*

*Endorsement: Business and Industry*

*Service ID: 13011500*

Students who meet the entry qualifications for dual enrollment can earn up to 6 hours of college credit. This course covers the same high school curriculum as BIM 2, with additional requirements from Alamo Colleges to meet the curriculum for ITSW 1301, working with word processing, and ITSW 1304, working with spreadsheets. *(This course is only for students who have already completed BIM 1 and would like to extend their learning to expert applications, but did not receive dual credit for BIM 1.)*

### ACCOUNTING I

*Credits: 1 (CTE)*

*Prerequisites: Principles of Business, Algebra I (recommended)*

*Grades: 10—12, Level 2*

*Course Key: ACCNT1*

*Endorsement: Business and Industry*

*Service ID: 13016600*

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in the management decision making process.

## ***BUSINESS, MARKETING, AND FINANCE***

### **ACCOUNTING II**

*Credits: 1 (CTE)*

*Prerequisites: Accounting I*

*Grades: 11–12, Level 3*

*Course Key: ACCNT2*

*Endorsement: Business and Industry*

*Service ID: 13016700*

Students continue the investigation of the accounting field, including its impact by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and accounting activities. Students formulate and interpret financial information for use in the management decision making process. Students will use QuickBooks for projects.

### **ACCOUNTING I DUAL**

*Credits: 0.5 (CTE)*

*Prerequisites: Principles of Business, Algebra I*

*Grades: 10–12, Level 2*

*Course Key: ACC 1D*

*Endorsement: Business and Industry*

*Service ID: 13016600*

Students who meet the entry qualifications for dual enrollment can earn up to 3 hours of college credit in the Spring semester. This course covers the same high school curriculum as Accounting 1 with additional requirements from Alamo Colleges to covers the curriculum for ACNT 1303, Introduction to Accounting I.

### **ACCOUNTING 2 DUAL**

*Credits: 0.5 (CTE)*

*Prerequisites: Accounting 1 Dual*

*Grades: 11–12, Level 3*

*Course Key: ACC 2D*

*Endorsement: Business and Industry*

*Service ID: 13016700*

Students who meet the entry qualifications for dual enrollment can earn up to 3 hours of college credit in the Spring semester. This course covers the same high school curriculum as Accounting 2 with additional requirements from Alamo Colleges to covers the curriculum for ACNT 1304, Introduction to Accounting 2.

### **SECURITIES AND INVESTMENTS**

*Credits: 1(CTE)*

*Prerequisites: Accounting II*

*Grades: 10-12, Level 4*

*Course Key: SECINV*

*Endorsement: Business and Industry*

*Service ID: 13016400*

In Securities and Investments, students will understand the laws and regulations to manage business operations and transactions in the securities industry. Students will investigate personal and business operations and transactions and explore security and investment licensing and certification programs.

## ***ARCHITECTURE AND CONSTRUCTION***

### **PRINCIPLES OF CONSTRUCTION**

*Credits: 1 (CTE)*

*Prerequisites: none*

*Grades: 9–12, Level 1*

*Course Key: PRINCO*

*Endorsement: Business and Industry*

*Service ID: 13004220*

This course will provide an introduction and lay a solid foundation for those students entering the construction or related careers. The course provides a strong knowledge of construction safety, construction mathematics, and the use of common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment .

### **CONSTRUCTION TECHNOLOGY I**

*Credits: 2 (CTE)*

*Prerequisites: Application, Instructor Approval*

*Grades: 10–12, Level 2*

*Course Key: CONSTE*

*Endorsement: Business and Industry*

*Service ID: 13005100*

Students will gain knowledge and skills needed entry-level employment in construction or related career fields. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

### **CONSTRUCTION TECHNOLOGY II**

*Credits: 2 (CTE)*

*Prerequisites: Application, Instructor Approval*

*Grades: 11–12, Level 3*

*Course Key: COTEC2*

*Endorsement: Business and Industry*

*Service ID: 13005200*

Students will build on the knowledge base and experience from Construction Technology I. Students will be introduced to carpentry, building maintenance, construction management, architecture and engineering as well as an introduction to exterior and interior finish out skills.

## **EDUCATION AND TRAINING (ONLY LEVEL 4 CLASS AVAILABLE)**

### **PRINCIPLES OF EDUCATION AND TRAINING**

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9–10, Level 1*

*Endorsement: Public Services*

*Course Key: PRIEDT*

*Service ID: 13014200*

This course covers a variety of topics including learning processes, education theory, classroom management, child development, and lesson planning. This course is designed to introduce students to various careers available in the area of education. Students will develop knowledge and skills through engaging projects and challenges.

### **HUMAN GROWTH AND DEVELOPMENT**

*Credits:1 (CTE)*

*Prerequisites: Principles of Education and Training*

*Grades: 10-12, Level 2*

*Endorsement: Public Services*

*Course Key: HUMGRD*

*Service ID: 13014300*

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social development milestones. This covers material that is generally taught in a postsecondary, one semester introductory course in developmental psychology or human development.

### **INSTRUCTIONAL PRACTICES**

*Credits: 2 (CTE)*

*Prerequisites: Principles of Education and Training*

*Grades: 11-12, Level 3*

*Endorsement: Public Services*

*Course Key: INPRAC*

*Service ID: 13014400*

Instructional Practices 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. Students work under the joint direction and supervision of both a teacher of knowledge with early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles at local schools. Students learn to plan and direct individualized instruction, group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of education professionals. A portfolio that will serve as a resource for teaching will be completed throughout the year.

### **PRACTICUM IN EDUCATION AND TRAINING**

*Credits: 2(CTE)*

*Prerequisites: Instructional Practices*

*Grades: 12, Level 4*

*Endorsement: Public Services*

*Course Key: PRACED*

*Service ID: 13014500*

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students will experience a field-based internship during this course with a highly-qualified cooperating teacher in local elementary or middle school. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

# HEALTH SCIENCE

## PRINCIPLES OF HEALTH SCIENCE

*Credits: 1 (CTE)*

*Prerequisites: None*

*Grades: 9–10, Level 1*

*Course Key: PRIHSC*

*Endorsement: Public Services*

*Service ID: 13020200*

This course provides an overview of the therapeutic, diagnostic, environmental and informational systems of the healthcare industry. Course content includes issues that affect professionals in the healthcare industry such as infection/disease control, basic first-aid, legal and ethical responsibilities, growth and development and patient rights. Participation in HOSA (Health Occupation Students of America) is encouraged. This is a required introductory course in the Health Science Technology (HST) sequence and is a prerequisite for those planning to take Health Science Theory and Clinical (rotation). **Note: CPR compression only training will be provided in this course.**

## HEALTH SCIENCE THEORY

*Credits: 1 (CTE)*

*Prerequisites: Principles of Health Science, Biology, Medical Terminology*

*Grades: 10–12, Level 3*

*Course Key: HLTHSC*

*Endorsement: Public Services*

*Service ID: 13020400*

Health Science Theory will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers. Instruction and learning will be through lab based setting and hands-on experiences. Skills will include vital signs, infection control techniques, and body mechanics, as well as career preparation. **Note: American Heart Association BLS/AED and First Aid Certification is provided.**

## MEDICAL TERMINOLOGY

*Credits: 1 (CTE)*

*Prerequisites: Principles of Health Science, Biology*

*Grades: 10–11, Level 2*

*Course Key: MEDTER*

*Endorsement: Public Services*

*Service ID: 13020300*

This course uses the human body as a guide to familiarize students with the structure of medical terms, abbreviations, and acronyms. Students will learn medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. Medical terminology is required for students wishing to enroll in Health Science Theory.

## PHARMACOLOGY

*Credits: 1(CTE)*

*Prerequisites: Biology and Chemistry*

*Grades: 11-12, Level 4*

*Course Key: PHARMC*

*Endorsement: Public Services*

*Service ID: 13020950*

This course will provide an overview of prescription and nonprescription medications. Course content will emphasize drug classifications, drug action, drug administration, ethical and legal issues, safety, and career options in pharmacy. Students will develop an understanding of pharmaceuticals and its impact on the health care industry.

## PRACTICUM IN HEALTH SCIENCE

*Credits: 2(CTE)*

*Prerequisites: Health Science Theory and Biology, an application and specific vaccinations. Background check required.*

*Grades: 11-12, Level 4*

*Course Key: PRACHL*

*Endorsement: Public Services*

*Service ID: 13020500 or 13020510*

This occupationally specific course is designed to provide the knowledge and skills for an allied health career. Students will develop clinical skills necessary for employment in the health care industry through classroom, laboratory, and clinical work experiences. **Note: Prior to classes beginning, students are required to provide proof of current flu vaccine, negative TB, and clear background screen.** Students enrolled in the class will be expected to complete additional work beyond the school day. Opportunities to earn industry recognized certification in Nursing Assisting, EKG Technician, Clinical Medical Assisting, and Phlebotomy may be provided. Note: This course may be taken in Junior year and in Senior year if all other prerequisites are met before Junior year.

# HOSPITALITY AND TOURISM

## INTRODUCTION TO CULINARY ARTS

*Credits: 1(CTE)*

*Prerequisites: None*

*Grades: 9-10, Level 1*

*Course Key: INCUAR*

*Endorsement: Business and Industry*

*Service ID: 13022550*

Introduction to Culinary Arts focuses on the preparation of food with specific attention to safety and sanitation, preparation of recipes, measurement, equipment knowledge and careers in the culinary industry. This class is intended for students who are considering a career in culinary arts, hospitality, tourism or restaurant management. This course is a prerequisite for Culinary Arts.

## CULINARY ARTS

*Credits: 2 (CTE)*

*Prerequisites: Introduction to Culinary Arts and application*

*Grades: 10–12, Level 2*

*Course Key: CULART*

*Endorsement: Business and Industry*

*Service ID: 13022600*

This course begins with the fundamentals of the art of cooking and the science of baking and includes management and production skills and techniques. The course is designed for students who enjoy cooking and may want to pursue a profession in the field of culinary arts. Students will participate in outside school catering events and are required to wear appropriate cooking attire. Certification through ServSafe and Food handlers certifications may be earned in this class.

## ADVANCED CULINARY ARTS

*Credits: 2(CTE)*

*Prerequisites: Culinary Arts*

*Grades: 10-12, Level 3*

*Course Key: ADVCUL*

*Endorsement: Business and Industry*

*Service ID: 13022650*

Advanced Culinary Arts provides industry specific training designed to prepare students for secondary education and career opportunities in food production, management and related services. The learning environment is a commercial grade kitchen. Instruction includes operation and management of a food service establishment, marketing strategies, quality and quantity food production, plating and food presentation, cooking methods, and technology application in the food service industry. Leadership opportunities are provided to Advanced Culinary Arts students.

## PRACTICUM IN CULINARY

*Credits: 2(CTE)*

*Prerequisites: Culinary Arts*

*Grades: 11-12, Level 4*

*Course Key: PRACCU*

*Endorsement: Business and Industry*

*Service ID: 13022700*

This practicum focuses on building confidence in the commercial kitchen, in the dining room with customers, and managing the other student workers. An internship at a full-service restaurant/hotel with a traditional chef brigade may be available for students.

# MANUFACTURING AND ENGINEERING

## PRINCIPLES OF APPLIED ENGINEERING

Credits: 1(CTE)

Prerequisites: None

Grades: 9-10, Level 1

Course Key: PRAPEN

Endorsement: Business and Industry

Service ID: 13036200

This course is an overview of technology with application of knowledge from many fields like biotechnology, communication, computer applications, construction, energy, power, transportation, and manufacturing. Students discover the link between engineering and technology while utilizing varied computer programs and many hands on design, team and technology projects. Activities include bridge building, product design and many other hands on activities with specialized computer design programs, tools, machines and teamwork. Students build scale models and prototypes; learn emerging technologies, technology history, workplace safety, career possibilities and college and career information. A primary goal is the application of science, technology, engineering and math to everyday life.

## ROBOTICS I

Credits: 1(CTE)

Prerequisites: Principles of Applied Engineering

Grades: 9-10, Level 2

Course Key: ROBOT1

Endorsement: Business and Industry

Service ID: 13037000

Students enrolled in this course will demonstrate knowledge and skills in robotics. Students will learn to build and program robots to perform different tasks. Students will gain hands-on knowledge about using sensors and will compete in a project based environment. Students will also explore the history and uses of robotics and investigate career opportunities.

## SCIENTIFIC RESEARCH & DESIGN I, II, III

Credits: 1

Prerequisites: Endorsement Pathway Level 4 Course

Grades: 12

Endorsement: Business and Industry, STEM

This course is double blocked and taken in one semester. This is a student-led exploration and preparation of career and post-secondary interests. The course is designed using a three stage process: 1) Research and Design, 2) On-site internships, and 3) Projects and Presentations. Students are responsible for 1) creating and maintaining personalized goals and plans that pertain to the goals of the course, 2) conducting in-depth research regarding careers and post-secondary studies of interest, 3) participating in one on-site internship and 4) completing the program-designed projects.

## ROBOTICS II

Credits: 1(CTE)

Prerequisites: Robotics I

Grades: 10-12, Level 3

Course Key: ROBOT2

Endorsement: Business and Industry

Service ID: 13037050

Students enrolled in this course will demonstrate advanced knowledge and skills in robotics. Students will build and program robots to perform different tasks. Students will work in teams to compete in a project-based environment. Students will continue to explore the uses of robotics in the work place and career opportunities in the robotics field.

## PRACTICUM IN MANUFACTURING

Credits: 2 (CTE)

Prerequisites: Robotics II

Grades: 11-12, Level 4

Course Key: PRAMAN

Endorsement: Business and Industry

Service ID: 13033000

Practicum in Manufacturing Robotics 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.

## CAREER PREPARATION

Students are expected to stay in Career Preparation for a full year. Students who wish to enroll in the course for the Spring semester MUST be employed on the first day of class. Career preparation students may not work for or be supervised by any immediate family member (including a parent or any other relative). Students requesting a career preparation program should leave at least two class periods (2 hrs) at the end of the day to be scheduled for work credit. Full schedules for career preparation students are not recommended, instructor approval may be required.

### CAREER PREPARATION GENERAL I AND II

Credits: 2 (CTE)

Prerequisites: 16 years of age, transportation to and from work

Grades: 11—12, Level 4

Course Key: CARPR1 **or** CARPR2

Service ID: 12701111 **or** 12701112

Endorsement: NONE—but may fulfill needed CTE credits

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students must average 10 hours per week in an approved field. **If a student does not have employment at the start of the semester, they will be given a grace period of 15 days. Students who are not employed by the end of the 15 days will be removed from the course. At the end of the fall semester, students who did not meet the 10 hour minimum average will be removed from the course.**

### EXTENDED CAREER PREPARATION GENERAL I AND II

Credits: 1 (CTE)

Course Key: CARP1E **or** CARP2E

Service ID: 12701131 **or** 12701132

For students to receive an extra credit in Career Prep, they must work an average of 15 hours per week. At the 9 week mark of the fall semester, the instructor will calculate a work week average for all students. Students who meet the minimum 15 hour requirement will be enrolled in this extended portion. Students must maintain the average throughout the semester in order for the extra portion of credit (0.5) to be applied on the transcript. **Students who drop below the 15 hour threshold, but stay above the 10 hour minimum, will not receive the extra credit.**

### PROJECT—BASED CAPSTONE

Credits: 1—2 (CTE)

Prerequisites: CTE Sequence, Instructor approval

Grades: 11—12, Level 4

Course Key: PROBS1

Endorsement: Business and Industry

Service ID: 12701101

or Public Services

This course is for Career and Technical Education students who would like an extended learning experience in a CTE pathway. Students will have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings that apply to a particular industry. Depending upon the industry, students may need to meet other requirements and test for certifications if applicable.

# AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS

The Air Force Junior ROTC (AFJROTC) program is part of the Public Services endorsement. Students must complete four courses in AFJROTC in order to meet the endorsement requirements.

Air Force Junior ROTC is an internationally accredited citizenship and leadership program.\* Each class includes training in three areas: Aerospace Science, Leadership Education, and Wellness. Aerospace Science includes: aviation history; space exploration; the science of flight; and management of the cadet corps. Leadership focuses on: citizenship, character, and the Air Force tradition; communication skills; life skills and career opportunities; and principles of management. Wellness stresses developing an individualized fitness program for each student utilizing basic exercises along with other group-related training programs, for the specific purpose of improving personal health and physical conditioning. Students form a Cadet Corps with leadership positions earned based on experience, excellence and achievement. Students provide community service, take required field trips to military installations and museums, and participate in a variety of group and team activities. A uniform is loaned to each student at no cost and must be returned at the end of the year. Proper wear of the uniform is required once a week and students are required to maintain proper USAF grooming standards. Students earn state elective credit with a PE waiver and PE credit for their 1<sup>st</sup> year of JROTC. Each additional year earns state elective credit.

**\*Accredited by The Southern Association of Schools and Colleges (SACS CASI) initial 2005, continuing 2016 (AdvancED).**

## ROTC 1

*Credits: 1 of PE Substitution (JROTC) or ROTC*

*Prerequisites: None*

*Grades: 9 - 12*

*Course Key: ROTC1 or JROTC1*

*Endorsement: Public Services*

*Service ID: 03160100 or PES00004*

This is the basic course for all new JROTC students. This year of instruction focuses on establishing a base of knowledge for students in the program. The three components of the first year class include: 1) AS300 - Exploring Space - The High Frontier (2nd Ed) 2019 2) LE300 Leadership Education - Lifeskills and Career Opportunities, 2013 3) Wellness – An Individual Health Fitness and Conditioning Program. *Students can receive either an ROTC credit and a PE substitution credit for this course but not both. Either credit will qualify for the endorsement.*

## ROTC 2

*Credits: 1*

*Prerequisites: ROTC1*

*Grades: 10 – 12*

*Course Key: ROTC2*

*Endorsement: Public Services*

*Service ID: 03160200*

This course is designed for second year JROTC students. Some ROTC2 cadets begin to hold positions of leadership and responsibility in the Cadet Corps. The three components of the first year class include: 1) AS300 - Exploring Space - The High Frontier (2nd Ed) 2019 2) LE300 Leadership Education - Lifeskills and Career Opportunities, 2013 3) Wellness – An Individual Health Fitness and Conditioning Program.

## ROTC 3

*Credits: 1*

*Prerequisites: ROTC2*

*Grades: 11 – 12*

*Course Key: ROTC3*

*Endorsement: Public Services*

*Service ID: 03160300*

This course is designed for third year JROTC students. Many ROTC3 cadets will qualify to hold mid and upper level positions of management and responsibility in the Cadet Corps. The three components of the first year class include: 1) AS300 - Exploring Space - The High Frontier (2nd Ed) 2019 2) LE300 Leadership Education - Lifeskills and Career Opportunities, 2013 3) Wellness – An Individual Health Fitness and Conditioning Program.

## ROTC 4

*Credits: 1*

*Prerequisites: ROTC3*

*Grades: 12*

*Course Key: ROTC4*

*Endorsement: Public Services*

*Service ID: 03160400*

This course is designed for fourth year JROTC students. Most ROTC4 cadets will qualify to hold upper and top level positions of management and responsibility in the Cadet Corps. The three components of the 4<sup>th</sup> year class include: 1) Aerospace Science—Management of the Cadet Corps; 2) Leadership – Principles of Management and Financial Education; 3) Wellness – An Individual Health, Fitness and Conditioning Program. **Cadets hold positions of leadership in the cadet organization. Students may be placed in available JROTC classes to conduct management of the Corps. They assist instructors and obtain leadership and management experience.**

# PHYSICAL EDUCATION AND ATHLETICS

These courses fulfill the core elective requirement for a physical education credit on any graduation plan. Other options that may fulfill the physical education graduation requirement are designated as such in their course descriptions.

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION—LIFETIME FITNESS AND WELLNESS

#### PURSUIITS

*Credits: 1*

*Prerequisites: NONE*

*Grades: 9—12*

*Course Key: PELFW*

*Service ID: PES00051*

This course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

### PHYSICAL EDUCATION—LIFETIME RECREATION AND OUTDOOR PURSUIITS

*Credits: 1*

*Prerequisites: NONE*

*Grades: 9—12*

*Course Key: PELRO*

*Service ID: PES00053*

This course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

### PHYSICAL EDUCATION—SKILL-BASED LIFETIME ACTIVITIES

*Credits: 1*

*Prerequisites: NONE*

*Grades: 9—12*

*Course Key: PESBL*

*Service ID: PES00056*

This course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories during the course.

### OFF CAMPUS COMMERCIALY SPONSORED PHYS ED.

*Credits: 1*

*Prerequisite: Complete approval process.*

*Grades: 9-12*

Students must complete and meet all eligibility requirements outlined in Kerrville ISD EIF-R. The activity must be highly intense and conducted by a highly trained instructor. Students who meet the criteria may be able to earn up to 1 PE credit and 3 elective credits. Deadline for submission of an application is the 1st of June, prior to the beginning of the school year the student wishes to receive credit.

### PE SUBSTITUTION CREDITS

Several courses qualify as a substitution credit for a TEKS based Physical Education course. Although students may enroll in some PE substitution courses at the same time, students are only allowed 4 substitution credits. Any credits afterwards must count towards another elective or as a local credit. Parents and students are encouraged to read the descriptions of PE substitution courses very carefully and to keep track of the number of substitution credits their child is earning. These courses may qualify as a PE Substitution:

All Athletics, all levels  
Cheerleading, all levels  
JROTC Level I  
Golden Girls Level I  
Color Guard Level I  
Marching Band Level I

## ATHLETICS

*The athletic program is designed for the student who can keep up with his/her studies while spending two hours per day practicing and/or participating in events which can require missing classes during the school day. Athletes are required by state law to have passing grades in all classes. All athletes are required to pass a physical examination and have a parental approval form on file in the Athletic Director's office. Athletes are required to be in training during the season. No alcoholic beverages, narcotics, tobacco products, or disobeying any training rules will be tolerated.*

### FRESHMAN ATHLETICS – BOYS AND GIRLS

*Credits: ½, 1 (PE Substitution)*

*Prerequisites: Refer to introduction*

*Grade: 9*

This is a highly accelerated class to prepare boys and girls for UIL competition in sports. Activities include: Football, Volleyball, Cross Country (1<sup>st</sup> semester only), Golf (tryout required), Basketball, Girl's Softball, Baseball, Tennis, Soccer, and Track (2<sup>nd</sup> semester only).

**Please contact the coach of each individual sport for specifics regarding tryouts, qualifications and other questions.**

### ATHLETICS – BOYS AND GIRLS II, III, IV

*Credits: ½ - 1 (PE Substitution, all levels)*

*Prerequisites: Refer to introduction*

*Grades: 10 - 12*

This is a highly accelerated class to prepare boys and girls for UIL competition in sports. Activities include: Football, Volleyball, Cross Country (1<sup>st</sup> semester only), Golf (tryout required), Basketball, Girl's Softball, Baseball, Tennis, Soccer, and Track (2<sup>nd</sup> semester only).

## CHEERLEADING

### CHEERLEADING I, II, III, IV

*Credits: 1 (PE Substitution, all levels)*

*Prerequisites: None*

*Grades: 9 – 12*

Tryouts are open to any student in school who meets the grade standards. Candidates demonstrate their ability before a panel of judges. Varsity cheerleader candidates must be of sophomore or junior class standing. Freshmen cheerleaders are selected from 8th graders who try out in the spring of their 8th grade year. Members must, at the time of application and throughout membership, be passing all subjects and meet the standards of conduct as designated in the Spirit Constitution.

1. Cheerleaders must attend cheerleader camp and scheduled practices during the summer.
2. Be responsible for pep rally under supervision of sponsor.
3. Members meet during the cheerleading period as well as before or after school when necessary.
4. Must participate in fundraising projects to help defray expenses for uniforms and supplies.

Cheerleading is a PE substitution credit only. Students are only allowed a total of 4 substitution credits. Students who participate in both Athletics and Cheerleading need to pay close attention to the number of credits they will need for graduation.

# FINE ARTS COURSE DESCRIPTIONS

These courses fulfill the core elective requirement for a fine art for any graduation plan. Courses that may count as the required PE credit (dance or marching band for example), may not also count as a fine art credit.

## ART

### ART I

*Credits: 1*

*Prerequisites: None*

*Grades: 9 - 12*

*Course Key: ART 1*

*Endorsement: Arts and Humanities*

*Service ID: 03500100*

Art I is designed for the beginning art student. The course will include the study of the elements of art and the principles of design in order to establish a foundation and a vocabulary for producing and evaluating work. Art I will provide students with opportunities to put skills and information learned to form. A variety of media will be used for multi-dimensional work. Students will study modern and contemporary art movements, as well as art from various cultures.

### ART II

*Credits: 1*

*Prerequisites: Art I*

*Grades: 9 - 12*

*Course Key: ART 2*

*Endorsement: Arts and Humanities*

*Service ID: 03500500*

Art II is designed for those students who wish to extend their studies from Art I. Emphasis will be on developing multi-dimensional media through exploring 20<sup>th</sup> Century Art History and theory.

### ART III

*Credits: 1*

*Prerequisites: Art II*

*Grades: 10 - 12*

*Course Key: ART 3*

*Endorsement: Arts and Humanities*

*Service ID: 03501300*

This course is designed to help the committed art student prepare for their art portfolio for Studio Art AP. The students will be working on the quality section of the AP portfolio. Emphasis will be on the refinement of technical skills with the understanding that the portfolio will be the main focus.

### ART IV

*Credits: 1*

*Prerequisite: Art III*

*Grades: 11 - 12*

*Course Key: ART 4*

*Endorsement: Arts and Humanities*

*Service ID: 03502300*

This course is for students who are enrolled in 2D or 3D Studio Art AP and wish to have a second class to complete their AP portfolio. This course can only be taken once.

### ART IV AP

*Credits: 1*

*Prerequisite: Art III*

*Grades: 11—12*

*Course Key: ART4AP*

*Endorsement: Arts and Humanities*

*Service ID: A3500400*

This course is for the highly motivated student who is seriously interested in the study of art; the program demands significant commitment. It is designed primarily for the advanced level art student who is preparing for a portfolio for art school admission requirements, scholarships and possible AP college credit. Students need to be self motivated, conscientious and capable of producing art work under strict time-lines. Students will create a portfolio: Quality and Concentration. Students will submit this body of work to the College Board for grading and possible college credit. Portfolio compilation occurs during AP exam week in May.

### ART V AP

*Credits: 1*

*Prerequisite: ART 4 AP*

*Grades: 12 ONLY*

*Course Key: ART5AP*

*Endorsement: Arts and Humanities*

*Service ID: A3500500*

This course is for the fifth year art student who either wishes to submit a second art portfolio to the College Board Advanced Placement or wishes to further develop skills in preparation for art school admission.

## **DANCE AND GOLDEN GIRLS**

### **DANCE I**

*Credits: 1 (students may receive PE credit)*

*Prerequisites: None*

*Grades: 9 - 12*

*Course Key: DANCE1*

*Endorsement: Arts and Humanities*

*Service ID: 03830100*

This course offers an introduction to basic dance techniques. Included are flexibility exercises, posture/alignment, and basic dance movements of Jazz, Ballet, and Drill Team. This class is not mandatory for drill team membership, nor does it ensure a position on the squad.

### **DANCE II, III, and IV**

*Credits: 1*

*Course Key: DANCE2, DANCE3, or*

*Prerequisites: Dance I*

*DANCE4*

*Grades: 10 – 12*

*Service ID: 03830200, 03830300,*

*Endorsement: Arts and Humanities*

*or 03830400*

These courses expand on the dance techniques of Dance I, including Hip Hop, Lyrical/Modern, High Kick and Social Dance forms. These courses place an emphasis on creative expression and performance through the use of choreographic elements. Students are exposed to historical and cultural heritage associated with various dance styles.

### **SAPPHIRES I**

*Credits: 1 (PE Substitution, Level I only)*

*Prerequisites: Audition Process*

*Grades: 9– 12*

*Course Key: Same as Golden Girls*

*Endorsement: Arts and Humanities*

*Service ID: Same as Golden Girls*

Student are who meet the requirements to tryout for the J.V. level dance team must demonstrate their abilities before a panel of judges. Members meet during class as well as mandatory outside of school practices throughout the summer months and during the school year. Members participate in mandatory fundraisers to help defray camp and attire costs. Members must be responsible for all costs not covered through fundraisers. This is a full year commitment. Sapphires perform at home Varsity football games, community events, competitions and spring/winter shows.

### **GOLDEN GIRLS I, II, III, IV**

*Credits: 1 (PE Substitution, Level I only)*

*Course Key: GOLD 1, GOLD 2,*

*Prerequisites: Audition Process*

*GOLD 3, or GOLD 4*

*Grades: 9 – 12*

*Service ID: PES00000,*

*Endorsement: Arts and Humanities*

*0383300, 03833400, or*

*03833500*

Students are eligible to try out provided they meet requirements. Candidates must demonstrate their ability before a panel of judges. Members must, at the time of application and throughout membership, be passing all subjects or risk being placed on probation.

1. Members meet during class as well as mandatory after school practice during the year.
2. Members must attend dance team camp during summer and a preschool training session.
3. Members receive training in dance, physical fitness, and leadership.
4. Members must participate in fundraising projects to help defray expenses and uniforms.
5. Members must be responsible for paying for camp expenses and specified uniform accessories and practice outfits.
6. This is a full year commitment. Members will perform at football games, basketball games, competitions, and an end-of-year recital.

# THEATRE ARTS

## THEATRE LEVEL I

*Credits: 1*

*Prerequisites: None*

*Grades: 9 - 12*

*Course Key: THART1*

*Endorsement: Arts and Humanities*

*Service ID: 03250100*

This course is for students who have no prior theatrical experience in either secondary school or community theatre. This year long class will promote a basic foundation in theatrical arts, including but not limited to individual and ensemble work, creative problem solving, character development, basic technical theatre skills, improvisation, scenic elements, theatre history and appreciation, stage presence, and combatting stage fright.

## THEATRE LEVEL II, III, IV

*Credits: 1*

*Prerequisites: Theatre Arts I or application documenting community theatre experience*

*Course Key: THART2, THART3, or THART4*

*Grades: 9 - 12*

*Endorsement: Arts and Humanities*

*Service ID: 03250200, 03250300, or 03250400*

These intermediate level courses are for students who have successfully completed a minimum of Theatre I in secondary school or have community theatre experience. These year long courses will further extend the student's theatrical foundation by exploring advanced character development and research, technical theatre skills such as light design and set design, publicity, theatre management, director and playwright interpretation, theatre history and appreciation, film exploration, cultural and historical influences of theatre. This class will produce in class performances with minimal after school time required.

## THEATRE PRODUCTION I, II, III (UIL ONE ACT)

*Credits: 1/2, 1*

*Prerequisites: Theatre Arts I, or application documenting community theatre experience.*

*Course Key: TH1PRO, TH2PRO, TH3PRO, or TH4PRO*

*Grades: 10 - 12*

*Endorsement: Arts and Humanities*

*Service ID: 03250700, 03250800, 03250900, or 03251000*

This advanced course is for students who have successfully completed a minimum of Theatre I or have community theatre experience. This class will be heavily geared to the rehearsal and performance process specifically character analysis, development and acting, in addition to the topics covered in Theatre Levels II—IV. Students enrolled in this course are expected to rehearse and perform beyond the regular school day. Opportunities will be provided for potential theatrical based competition.

## TECHNICAL THEATRE I

*Credits: 1*

*Prerequisites: None*

*Grades: 9-12*

*Course Key: TH1TEC*

*Endorsement: Fine Arts*

*Service ID: 03250500*

Technical Theater combines theories of design and stagecraft techniques with the construction and operations of production elements including set construction, property management, lighting, sounds, costumes, makeup, and public relations. Time beyond the school day is expected.

## TECHNICAL THEATRE II

*Credits: 1*

*Prerequisites: Technical Theatre I*

*Grades: 10-12*

*Course Key: TH2TEC*

*Endorsement: Fine Arts*

*Service ID: 03250600*

This course is designed to give students an opportunity to build on skills learned in Technical Theatre I. They will do individual studies in the areas of lighting, costume construction and design, set design and construction, sound, makeup, props, and publicity. Students enrolled in this course will be expected to complete additional work beyond the regular school day.

## TECHNICAL THEATRE III

*Credits: 1*

*Prerequisites: Technical Theatre II*

*Grades: 11-12*

*Course Key: TH3TEC*

*Endorsement: Fine Arts*

*Service ID: 03251100*

This course is designed to continue to build on the skills learned in Technical Theatre II. Students will do advanced individual studies in lighting, costume, and set design as well as sound, makeup, props, and publicity techniques. Students enrolled in the class will be expected to complete additional work beyond the school day.

## TECHNICAL THEATRE IV

*Credits: 1*

*Prerequisites: Technical Theatre III*

*Grades: 12*

*Course Key: TH4TEC*

*Endorsement: Fine Arts*

*Service ID: 03251200*

Through a variety of experience with technical theatre, Technical Theatre IV will afford students the opportunity to complete a more intense study of a specific area of technical theatre. Through more independent study and increased production responsibilities, study in Technical Theatre IV involves the application of expertise prepared for and acquired in previous theatre arts studies. Students enrolled in this course will be expected to complete additional work beyond the school day.

## MUSIC—BAND

### BAND I, II, III, IV

*Credits: 1 (PE Substitution Level I only)*

*Prerequisites: Middle School Band or band from another school*

*Grades: 9 - 12*

*Course Key: varies per audition list*

*Endorsement: Arts and Humanities*

*Service ID: 03150100, 03150200,  
03150300, or 03150400*

Students are placed through audition process. The band program is divided into Wind Ensemble and Symphonic Band. The Wind Ensemble and Symphonic Bands are combined to make the Marching Band. Marching rehearsals are primarily after school. Students involved in Athletics may participate in Band. Band students are given the opportunity to participate in a wide range of performance and competitive events as a group and also as individuals. Marching Band students are required to attend summer band rehearsals during July and August prior to the beginning of school. Band students are graded on attendance, class participation, and required assignments, which may occur outside of the school day. Members are responsible for loss or damage to the band uniform and school-owned instruments.

### JAZZ BAND I, II, III, IV

*Credits: 1*

*Prerequisites: Member of Tivy Band program, and audition*

*Grades: 9 - 12*

*Course Key: MUS#JZBN*

*Endorsement: Arts and Humanities*

*Service ID: 03151300, 03151400,  
03151500, or 03151600*

Students are placed through an audition process. Jazz Band allows the student to explore the musical styles of jazz including rock, Latin, Jazz, Dixieland, & Blues. Students also get the opportunity to learn the basics of improvisation and jazz solo techniques. Members of this ensemble are required to perform at multiple community events throughout the year.

### INSTRUMENT ENSEMBLE

*Credits: 1*

*Prerequisites: Member of Tivy Band program, Director Permission*

*Grades: 9-12*

*Endorsement: Arts and Humanities*

This course is designed for students interested in developing extensive detailed performance applications on a specific musical instrument. Students work independently at their own pace, in small ensemble setting of unique instrumentation and apply skills developed in concert, recital, and other various performance venues. Student audio portfolios are

created, university audition recitals are developed, and audition preparations for Texas all-state are part of the curriculum. Students who desire to play more than one instrument can be enrolled in this class for individualized instruction. Each course builds upon the student's skill level developed in previous courses of study.

### COLORGUARD/DRILLTEAM (DANCE I, II, III, IV)

*Credits: 1 (PE Substitution Level I only )*

*Prerequisites: Audition or transfer from another school*

*Grades: 9 - 12*

*Course Key: DNCCG#*

*Endorsement: Arts and Humanities*

*Service ID: 03830100, 03830200,  
03830300, or 03830400*

Colorguard meets as a school class and rehearses after school as a part of the marching band. Colorguard members are required to attend summer rehearsals in July and August prior to the beginning of school. During marching season, the Colorguard attends all marching band activities and performances. After football season, the Colorguard continues meeting during class time and after school in preparation for the Winter Guard season. Students should be aware that Colorguard is a physically demanding activity before enrolling in the class.

### APPLIED MUSIC I, II, III, IV (INSTRUMENTAL)

*Credits: 1*

*Prerequisites: Member of a Tivy Band program, Director Approval*

*Grades: 11 - 12*

*Course Key: MUSAP1, MUSAP2,*

*Endorsement: Arts and Humanities*

*MUSAP3, or MUS4AP*

*Service ID: 03152500, 03152600,  
03152601, 03152602*

This is a highly advanced course designed only for students who intend to continue with music as a career. Please see the band director for more information and the necessary skill requirements.

# CHOIR

Students interested in Choir at Tivy High School are auditioned by the choir director and placed in the choral group which is best suited to his/her needs, abilities, and vocal maturity. Members are required to attend all concerts, extra rehearsals, and contests as scheduled by the director. Due to the nature of fine arts classes, much of the grading is subjective. A large percentage of the grade is determined by attitude, effort, performances (individual and group), and the director's assessment of the student's improvement from one grading period to the next. Other considerations for grading points are awarded during each grading period to those students who are part of the various audition processes or other music competitions. In addition to the traditional concerts, a typical choir student can experience different events during their tenure with the Tivy choirs. These experiences might include out-of-town competition trips, performing in a Broadway musical, and singing at professional sports events.

## MUSIC I, II, III, IV (BEL CANTO)

*Credits: 1*

*Prerequisites: Placed by audition*      *Course Key: MUS#CH*  
*Grades: 9 - 12*      *Service ID: 03150900, 03151000,*  
*Endorsement: Arts and Humanities*      *03151100, or 03151200*

This is the non-varsity women's choir and is designed to develop the basics of singing - performance technique, music reading skills, listening skills, music theory knowledge and music history. Students enrolled in Bel Canto will develop greater self-discipline, problem-solving skills, leadership skills, time-management skills and continually work with peers as part of a musical performance team. Members of Bel Canto will participate in all concerts and contests as scheduled by the director. Students will be placed into Bel Canto based upon ability demonstrated by audition.

## MUSIC I, II, III, IV (CANTOREI)

*Credits: 1*

*Prerequisites: Placed by audition*      *Course Key: MUS#CT*  
*Grades: 9 - 12*      *Service ID: Same as Bel Canto*  
*Endorsement: Arts and Humanities*

This course is the varsity women's choir and is designed to challenge highly motivated choral students. The course continues the development of singing - performance technique, music reading skills, listening skills, music theory knowledge and music history exposure previously developed in choir. Students enrolled in Cantorei will develop greater self-discipline, problem-solving skills, leadership skills, time-management skills and continually work with peers as part of a musical performance team. Members of Cantorei will participate in all concerts and contests as scheduled by the director. Students will be placed into Cantorei based upon ability demonstrated by audition.

## MUSIC I, II, III, IV (MEN'S CHOIR)

*Credits: 1*

*Prerequisites: Placed by audition*      *Course Key: MUS#MC*  
*Grades: 9 - 12*      *Service ID: Same as Bel Canto*  
*Endorsement: Arts and Humanities*

This course is designed to develop the basics of singing - per-

formance technique, music reading skills, listening skills, music theory knowledge and music history. Students enrolled in Men's Choir will develop greater self-discipline, problem-solving skills, leadership skills, time-management skills and continually work with peers as part of a musical performance team. Members of Men's Choir will participate in all concerts and contests as scheduled by the director. Students will be placed into Men's Choir based upon ability demonstrated by audition.

## MUSIC I, II, III, IV (CHORALE)

*Credits: 1*

*Prerequisites: None*  
*Grades: 9 - 12*      *Course Key: MUS#CC*  
*Endorsement: Arts and Humanities*      *Service ID: 03152100, 03152200,*  
*03152300, or 03152400*

This is a mixed varsity choir designed to challenge highly motivated choral students. This continues the development of singing - performance technique, music reading skills, listening skills, music theory knowledge and music history exposure previously developed in choir. Students enrolled in Chorale will develop greater self-discipline, problem-solving skills, leadership skills, time-management skills and continually work with peers as part of a musical performance team. Members of Chorale will participate in all concerts and contests as scheduled by the director. Students will be placed into Chorale based upon ability demonstrated by audition.

## APPLIED MUSIC I, II, III, IV (VOCAL)

*Credits: 1*

*Prerequisites: Member of Tivy Choir program, Instructor Approval*  
*Grades: 11 - 12*      *Course Key & Service ID: See p. 47*

Applied Vocal Music shall include the following:

1. Private study. The student shall be provided opportunities to study voice in a one-to-one student/teacher setting and have an opportunity for individual vocal study.

## CHOIR

2. Study of solo literature. The student shall be provided opportunities to study and memorize solo selections from varying musical styles and historical periods; accept assignments on an individualized basis for optimal progress in performance skills and facility.
3. Study of basic music theory. The student shall have the opportunity to learn basic music theory, harmony, and ear training.

## INTERMEDIATE/ADVANCED ORCHESTRA

### ORCHESTRA I, II, III, IV

*Credits: 1*

*Prerequisites: Audition, previous experience*

*Course Key: ORCH#*

*Grades: 9 - 12*

*Service ID: 03150500, 03150600, 03150700, or 03150800*

*Endorsement: Arts and Humanities*

This is a full-year course for students with previous experience on a string instrument (violin, viola, cello, bass). This performance-oriented class requires two evening concerts in the fall semester and two evening concerts in the spring semester. Students will also have the opportunity for advanced enrichment and competition with participation in TMEA's Region and All-State Orchestras, UIL Concert and Sight-reading, and UIL Solo and/or Ensemble, which also includes a state level.

## MUSIC THEORY-ALL MUSIC PROGRAMS

### MUSIC THEORY ADVANCED PLACEMENT (AP)

*Credits: 1*

*Prerequisites: Musical ability. Students currently not enrolled in a Tivy Musical course will need to speak with the teacher prior to enrollment.*

*Grades: 11 - 12*

*Course Key: MUSTHE*

*Endorsement: Arts and Humanities*

*Service ID: A3150200*

This course entails a comprehensive study of notation, ear-training, chord structure and progressions. The course will be structured to enhance student performance on the AP test. Students need to be highly motivated and have a serious interest in the study of music. Music theory is well suited for students who are interested in continuing music studies in college and as a vocation.

# ENGLISH LANGUAGE ARTS COURSE SEQUENCE

Courses in the area of English can count towards completing a portion of the requirements for the Multidisciplinary endorsement. Courses that meet this requirement are designated in the descriptions. English electives do not count towards the Multidisciplinary endorsement, they will fall under the Business and Industry endorsement.

English IV will be the required fourth English credit for Tivy High School.

## ACADEMIC COURSE TRACK



## ADVANCED COURSE TRACK



Students may change between the regular and accelerated course sequences. Please consult your student's English teacher and counselor for more information. All schedule changes must follow procedures.

# ENGLISH

## ENGLISH I

Credits: 1

Prerequisites: None

Grade: 9

Course Key: ENG1

Endorsement: Multidisciplinary

Service ID: 03220100

This course emphasizes well-written communication demonstrated through writing descriptive, narrative, expository multiple-paragraph writing, using the appropriate forms and conventions of written language. Students read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works. Special emphasis is placed on the study of narrative elements, symbolism, and theme, as well as on research skills and development of vocabulary skills. Grammatical skills are interwoven into the studies of literature throughout the course. End-of-Course objectives are practiced in preparation for the state-mandated test.

## ENGLISH I Pre-AP

Credits: 1

Prerequisites: None

Grade: 9

Course Key: ENG1H

Endorsement: Multidisciplinary

Service ID: 03220100

This course emphasizes writing proficiency and literary analysis in preparation for future collegiate work and/or successful completion of the AP exams during the junior and senior years of high school. The coursework is built around College Board's shared principles: close observation and analysis, evidence-based writing, higher order questioning, and academic conversations. *Summer reading is vital to the success of English I Pre-AP students.* Students must complete summer reading before the school year begins. Students will be tested over their summer reading during the first week of the school year. End-of-Course objectives will be practiced in preparation for the state-mandated test.

## ENGLISH II

Credits: 1

Prerequisites: English I or English I Pre-AP

Grade: 10

Course Key: ENG2

Endorsement: Multidisciplinary

Service ID: 03220200

This course emphasizes well-written communication demonstrated through writing descriptive, narrative, expository multiple-paragraph writing, using the appropriate forms and

conventions of written language. Students read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works. Special emphasis is placed on the study of narrative elements, symbolism, theme, as well on research skills and development of vocabulary skills. End-of-Course objectives are practiced in preparation for the state-mandated test.

## ENGLISH II Pre-AP

Credits: 1

Prerequisites: English I or English I Pre-AP

Grade: 10

Course Key: ENG2H

Endorsement: Multidisciplinary

Service ID: 03220200

This course emphasizes increasingly complex reading and writing skills as well as vocabulary development. Students read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works, with an emphasis on several books from the AP Reading List. Interspersed with these studies are units in grammar. The coursework is built around College Board's shared principles: close observation and analysis, evidence-based writing, higher order questioning, and academic conversations. *All students registered for English II Pre-AP are required to read during the summer.* During the first weeks of the class, students have assignments and tests over the readings. End-of-Course objectives are practiced in preparation for the state-mandated test.

## ENGLISH III

Credits: 1

Prerequisites: English II or English II Pre-AP

Grade: 11

Course Key: ENG3

Endorsement: Multidisciplinary

Service ID: 03220300

Emphasis in this course will be on increasingly complex reading and writing skills and on vocabulary development. Students become familiar with the use of the MLA research handbook to plan and generate a research paper with parenthetical documentation and a works-cited list. A survey of literature will stress the major authors, periods, forms and works in American literature, as well as the history and major features of American dialects. Literary works in all genres are analyzed for their literary elements. College readiness skills are emphasized in preparation for college entrance assessments such as the SAT and ACT.

# ENGLISH

## ENGLISH III AP

*Credits: 1*

*Prerequisites: English II or English II Pre-AP*

*Grades: 11*

*Course Key: ENG3P*

*Endorsement: Multidisciplinary*

*Service ID: A3220100*

For this course, students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. Dedication and time spent studying, reading, and writing outside of class will be required for success. This course aligns to an introductory college level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize and cite research to support their arguments. Through the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Attention is given to building vocabulary and improving grammatical skills. Summer reading is a significant aspect of English III AP. Students will be assessed over the reading at the beginning of school.

## ENGLISH IV

*Credits: 1*

*Prerequisites: Credit completion of English I, II and III*

*Grades: 12*

*Course Key: ENG4*

*Endorsement: Multidisciplinary*

*Service ID: 03220400*

This course provides students with a background in origins and development of the English language, major authors, periods, forms, and works in British literature. A major emphasis will be placed on student-generated writing incorporating the writing process, as well as generating writing relating to literature read. Students must use creative thinking skills to analyze and respond to literary works. Language skills and increasingly complex vocabulary development will be emphasized to prepare students for ACT, SAT, and college entrance tests. Students research primary and secondary sources to write a documented literary analysis paper or topical paper in MLA style through traditional and online sources.

## ENGLISH IV DUAL (ENGL 1301 and 1302)

*Credits: 1*

*Prerequisites: English III or English III AP and meet Alamo Colleges entrance requirements. Students who make a 3, 4, or 5 on the English Language AP exam will be placed into English IV AP.*

*Grade: 12*

*Course Key: ENG4D1 & ENG4D2*

*Endorsement: Multidisciplinary*

*Service ID: 03220400*

English IV Dual is a college composition course for which students also receive high school credit. Throughout the course, students will receive practical instruction in clear and effective academic writing, including analyzing audience and purpose, prewriting, research, planning, drafting, revising, and editing. The first semester focuses on rhetoric and the writing process, and the second semester focuses on academic research and writing across multiple fields of study. There will also be a study of British literature in various time periods and genres throughout the course. Enrollment in the second semester (English 1302) requires a college grade of 70 or higher in the first semester (English 1301). The fall semester begins with an analysis of the summer reading novels. Successful completion of the entire course earns college credit for both English 1301 and 1302 (6 credit hours total).

## ENGLISH IV AP

*Credits: 1*

*Prerequisites: English III or English III AP*

*Grade: 12*

*Course Key: ENG4P*

*Endorsement: Multidisciplinary*

*Service ID: A3220200*

English IV AP Literature and Composition is a college level course that will provide the student with the intellectual challenges and academic rigor consistent with a typical undergraduate English Literature course. Emphasis will be placed on close reading, literary analysis, and the writing of analytical essays. This course is designed for the student who has mastered basic language skills, is capable of reading and interpreting complex material, engages easily in higher level thinking, and readily accepts intellectual challenges. The fall semester will begin with an analysis of the summer reading novels. At the conclusion of the course, students will take the AP English Literature and Composition Exam, for which they may receive college credit.

# ENGLISH

## ENGLISH 1 SPEAKERS OTHER LANGUAGE (ESL) I

Credits: 1

Prerequisites: LPAC placement

Grades: 9 - 12

Course Key: ENGES1

Endorsement: Multidisciplinary

Service ID: 03200600

This course teaches all English 1 TEKS with additional expectations for English language learners (relating to English Language Proficiency Standards). This course may be substituted for English 1 graduation requirements. Emphasis is placed on the English proficiency levels of all four language domains (Listening, Speaking, Reading, Writing) to provide appropriate instruction to enable students to meet these standards. This specialized course is designed for newcomers or recent immigrants (enrolled in US schools for less than 3 years) with little or no English language acquisition. *It is recommended that students also take the English Language Development & Acquisition (ELDA) course at the same time.*

## ENGLISH 1 SPEAKERS OTHER LANGUAGE (ESL) II

Credits: 1

Prerequisites: LPAC placement

Grades: 9 - 12

Course Key: ENGES2

Endorsement: Multidisciplinary

Service ID: 03200700

This course teaches all English 2 TEKS with additional expectations for English language learners (relating to English Language Proficiency Standards). This course may be substituted for English 2 graduation requirements. Emphasis is placed on the English proficiency levels of all four language domains (Listening, Speaking, Reading, Writing) to provide appropriate instruction to enable students to meet these standards. This specialized course is designed for newcomers or recent immigrants (enrolled in US schools for less than 3 years) with little or no English language acquisition. *It is recommended that students also take the English Language Development & Acquisition (ELDA) course at the same time.*

## ENGLISH LANGUAGE DEVELOPMENT AND ACQUISITION I

Credits: 1

Prerequisites: LPAC placement

Grades: 9 - 12

Course Key: ELDA 1

Endorsement: Multidisciplinary

Service ID: 03200800

*This course must be taken concurrently with a co-requisite ELAR course* and is designed to provide instructional opportunities for secondary recent immigrant students with little or no English proficiency. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs in compliance with federal regulations. Students' native language and culture are validated and considered a valuable resource as a foundation to attain the English language. Students will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students.

## ENGLISH LANGUAGE DEVELOPMENT AND ACQUISITION II

Credits: 1

Prerequisites: LPAC placement

Grades: 9 - 12

Course Key: ELDA 2

Endorsement: Multidisciplinary

Service ID: 03200810

*This course must be taken concurrently with a co-requisite ELAR course* and is designed to provide instructional opportunities for secondary recent immigrant students with little or no English proficiency. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs in compliance with federal regulations. Students' native language and culture are validated and considered a valuable resource as a foundation to attain the English language. Students will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students.

# ENGLISH LANGUAGE ARTS/ELECTIVES

These courses can fulfill requirements for the Business and Industry endorsement under the English Language Arts electives pathway. Students must complete four credits, including three levels of a coherent sequence.

## PHOTOJOURNALISM

*Credits: 1/2*

*Prerequisites: None*

*Grades: 9 - 12*

*Course Key: PHTOJR*

*Endorsement: Business and Industry*

*Service ID: 03230800*

Students enrolled in Photojournalism learn to plan, compose, and critique publications, carefully examining their writing and photography for publication quality. Students also enhance their communication skills and learn the laws and ethical considerations that impact the publishing world. Technology, visual, and electronic media are used as students design, create, clarify, critique, and produce effective written and visual samples. Students learn the basics of journalistic writing with headlines, captions, news, editorial, sports, and feature styles, as well as good interviewing skills and questioning strategies. Students also practice basic digital camera skills and will acquire knowledge in Photoshop and Indesign software.

## NEWSPAPER AND MAGAZINE PRODUCTION I

*Credits: 1*

*Prerequisites: Photojournalism and instructor approval*

*Grades: 10 - 12*

*Course Key: NP1*

*Endorsement: Business and Industry*

*Service ID: 03230140*

Newspaper Production I applies the skills from photojournalism and involves the study of new techniques in journalism, as well as the assumption of responsibilities of reporting, photography, layout, advertising, and producing the school newspaper using desktop publishing techniques. Applicants must submit a written application and recommendations in the spring of the preceding school year.

## NEWSPAPER AND MAGAZINE PRODUCTION II and III

*Credits: 1*

*Prerequisites: Newspaper Production I*

*Grades: 11 - 12*

*Course Key: NP2 or NP3*

*Endorsement: Business and Industry*

*Service ID: 03230150 or*

*03230160*

Newspaper Production II is a continuation and extension of skills covered in Newspaper Production I. Year three students will acquire editorial leadership skills.

## YEARBOOK PRODUCTION I

*Credits: 1*

*Prerequisites: Photojournalism and instructor approval*

*Grades: 10 - 12*

*Course Key: YBK1*

*Endorsement: Business and Industry*

*Service ID: 03230110*

Yearbook Production I applies the skills from photojournalism and involves the study of new techniques in journalism, as well as the assumption of responsibilities of reporting, photography, layout, advertising, and producing the school yearbook using desktop publishing techniques. Applicants must submit a written application and recommendations in the spring of the preceding school year.

## YEARBOOK PRODUCTION II and III

*Credits: 1*

*Prerequisites: Yearbook Production I*

*Grades: 11 - 12*

*Course Key: YBK2 or YBK3*

*Endorsement: Business and Industry*

*Service ID: 03230120 or 03230130*

Yearbook Production II is a continuation and extension of skills and responsibilities covered in Yearbook Production I. Year three student will acquire editorial leadership skills.

## ENGLISH ELECTIVES

### ELA COLLEGE PREP

*Credits: 1*

*Prerequisites: Special Permission*

*Course Key: CPELA*

*Grades: 12*

*Service ID: CP110100*

This course emphasizes skills in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, and the effective use of vocabulary. Students who are seniors and have not yet passed the necessary English I or English II EOC's may be required to take this course in preparation for retesting.

### CREATIVE AND IMAGINATIVE WRITING

*Elective Credits: 1*

*Prerequisites: English I or English I Pre-AP*

*Grades: 10 - 12*

*Course Key: CREAT*

*Endorsement: Business and Industry*

*Service ID: 03221200*

Students will explore the art and craft of creative writing including poetry, short story, essay, memoir, and drama. The central focus throughout the course will be on finding a unique and personal voice. Material for writing will be gathered from the imagination, the senses, and the world around us. Students will share their work with their peers each grading period, and they will be expected to read and discuss the writing of their classmates.

### DEBATE I

*Credits: 1*

*Prerequisites: None, Application Required*

*Grades: 9 - 12*

*Course Key: DBATE1*

*Endorsement: Business and Industry*

*Service ID: 03240600*

Debate I focuses on the structures of debate, logic and critical thinking, complex note-taking, information organization skills, advanced reading experiences, resolution interpretation, listening, presentation, and evaluation of debates. Debate is an excellent college preparatory course for highly motivated and capable students. The students will prepare for debate competitions. Debate is a competitive course and students will be required to attend a minimum number of major debate tournaments as determined by the teacher.

### DEBATE II, III, IV

*Credits: 1*

*Prerequisites: Debate I*

*Course Key: DBATE#*

*Grades: 10 - 12*

*Service ID: 03240700, 03240800,*

*Endorsement: Business and Industry or 03240900*

These courses are a continuation of skills and activities covered in Debate I. Students are required to travel to and compete in a minimum of competitions as determined by the teacher.

# MATHEMATICS COURSE SEQUENCE

Core mathematics courses can be used to meet a portion of the Multidisciplinary endorsement requirements. Some courses may also count towards completing requirements of the STEM endorsement under the mathematics pathway. To complete the requirements of the STEM endorsement students must complete two additional math credits for which Algebra II is a pre-requisite. Courses that meet this requirement are designated in the descriptions.

Successful completion of Algebra II is a requirement for the *Distinguished Level of Achievement* diploma. Students must earn *Distinguished Level of Achievement* to be eligible for top 10% automatic admission to Texas institutes of higher education.

## ACADEMIC COURSE TRACK I

Did not successfully complete 8th grade math or demonstrate proficiency on STAAR.



## ACADEMIC COURSE TRACK II

8th grade math, may need additional Algebra instruction during 10th grade



## ACADEMIC COURSE TRACK III

8th Grade Math (Academic or Horizons)



## ADVANCED COURSE TRACK

8th Grade Algebra I



A graphing calculator is used extensively in all math courses as a problem solving tool. The school provides a set for daily classroom use. It is recommended that students purchase a graphing calculator for home use.

Students may change between the regular and accelerated course sequences based on math teacher and counselor recommendations, as well as student graduation plan. Please consult your student's math teacher and counselor for more information. All schedule changes must follow procedures.

# MATH

## ALGEBRA I

*Credits: 1*

*Prerequisites: Successful Completion of 8th Grade Math*

*Grades: 9 - 12*

*Course Key: ALG1*

*Endorsement: Multidisciplinary*

*Service ID: 03100500*

Algebra I will build on algebraic thinking and symbolic reasoning, function concepts, relationships between equations and functions, tools for algebraic thinking, functions and underlying mathematical processes. End-of-Course objectives will be practiced in preparation for the state-mandated test. Graphing calculator recommended.

## GEOMETRY

*Credits: 1*

*Prerequisites: Algebra I*

*Grades: 9 - 12*

*Course Key: GEOM*

*Endorsement: Multidisciplinary*

*Service ID: 03100700*

Geometry is designed to develop the student's logic and reasoning abilities. Geometry is a course that includes plane, solid, coordinate, and transformation geometry. This course provides the study of basic definitions, postulates, and theorems (including proofs), transformations, congruencies, similarities, coordinate geometry, area, and volume.

## GEOMETRY PRE-AP

*Credits: 1/2, 1*

*Prerequisites: Algebra I*

*Grades: 9 - 12*

*Course Key: GEOMH*

*Endorsement: Multidisciplinary*

*Service ID: 03100700*

Geometry Pre-AP provides students with the opportunity to prove more theorems independently, to solve more challenging problems involving the application of theorems, to substantiate conclusions and to spend more time on applying geometric concepts. It is an enriched geometry program which utilizes higher order thinking skills and problem solving.

## MATHEMATICAL MODELS WITH APPLICATIONS

*Credits: 1*

*Prerequisites: Algebra I*

*Grade: 10–12*

*Course Key: MMA*

*Endorsement: Multidisciplinary*

*Service ID: 03102400*

Students will continue to build on the K - 8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use mathematical methods to model and solve real-life, applied problems involving money, data, chance, patterns, music, design, and science. Students having access to a graphing calculator outside of class is beneficial.

## ALGEBRA II

*Credits: 1*

*Prerequisites: Algebra I*

*Grades: 10 - 12*

*Course Key: ALG2*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03100600*

This course is designed to provide students with a systematic development of real and complex number systems. Emphasis will be placed on relations and functions, systems of equations and inequalities, quadratic functions, polynomials, and logarithmic and exponential functions. Students will need a graphing calculator for the course.

## ALGEBRA II HONORS

*Credits: 1/2, 1*

*Prerequisites: Algebra I*

*Grade: 10 - 12*

*Course Key: ALG2H*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03100600*

This course is designed to prepare the gifted math student with a rigorous development and usage of the real and complex number systems. It consists of the same basic concepts studied in the regular Algebra II course, but taken to a greater depth. Applications are handled by creating mathematical models of phenomena in the real world. The students are required to identify the kind of function that fits a given situation and derive an equation that suits the information in the problem. The problems also require the students to use many mathematical concepts in the same problem. Calculators will not be used in this course.

## ALGEBRAIC REASONING

*Credits: 1*

*Prerequisites: Algebra 1*

*Grades: 10-12*

*Course Key: ALGREA*

*Endorsement: Multidisciplinary*

*Service ID: 03102540*

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses.

Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

# MATH

## PRE-CALCULUS

*Credits: 1/2, 1*

*Prerequisites: Geometry and Algebra II*

*Grades: 11 - 12*

*Course Key: PRCAL*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03101100*

This course is designed to prepare college-bound students for Calculus. The subjects of trigonometry, analytical geometry, and elementary analysis are integrated with other important mathematical topics by an approach that emphasizes functions. Students will need a graphing calculator for the course.

## PRE-CALCULUS DUAL (not offered for 2025-2026)

*Credits: 1/2, 1*

*Prerequisites: Geometry, Algebra II and admittance to UT OnRAMPS*

*Grades: 11 - 12*

*Course Key: PRCALD*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03101100*

This course is designed to deepen and extend students' knowledge of functions, graphs, and equations from their high school Algebra and Geometry courses. Students may earn high school and college credit. The course is taught on campus by a certified high school teacher with a qualified professor from the University of Texas online. Students will be required to work independently outside of normal class time. Students may NOT drop this course once enrolled. Calculators will not be used in this course.

## PRE-CALCULUS AP

*Credits: 1*

*Prerequisites: Geometry, Algebra II*

*Grades: 11 - 12*

*Course Key: PRCALA*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3100100*

Pre-Calculus AP is a rigorous course taught at the college level and gives the student an opportunity to receive 3 hours of college credit for freshman level college math. This course adheres to the guidelines of the College Board Advanced Placement program. A student taking this course is recommended to take the Pre-Calculus AP exam in May. Students will need a graphing calculator for the course.

## STATISTICS

*Credits: 1/2, 1*

*Prerequisites: Algebra I*

*Grades: 11 - 12*

*Course Key: STATS*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03102530*

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical

processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

## AP CALCULUS AB

*Credits: 1*

*Prerequisites: Pre-Calculus*

*Grades: 11 - 12*

*Course Key: CAL P*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3100101*

Calculus AP is a rigorous course taught at the college level and gives the student an opportunity to receive 4 hours of college credit and/or placement for the calculus course they would normally take at the freshman level of college. This course adheres to the guidelines of the College Board Advanced Placement program. A student taking this course is recommended to take the Calculus AP exam in May. Students will need a graphing calculator for the course.

## STATISTICS DUAL

*Credits: 1*

*Prerequisites: Geometry, Algebra II and admittance to UT OnRAMPS*

*Grade: 11–12*

*Course Key: STATSD*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03102530*

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students may earn high school and college credit. The course is taught on campus by a certified high school teacher with an online portion with a qualified professor from the University of Texas online. Students may NOT drop this course once enrolled.

## MATHEMATICS COLLEGE PREP

*Credits: 1/2, 1*

*Prerequisites: Algebra I, Geometry, 3rd year math*

*Grade: 12*

*Course Key: CPMATH*

*Endorsement: NONE*

*Service ID: CP111200*

This course emphasizes skills in Algebra I including linear and quadratic equations, inequalities, graphing of functions, and mathematical processes. Students who are Seniors and have not yet passed the necessary Algebra I EOC, or who have not met SAT or TSIA2 college readiness, may be required to take this course in preparation for retesting.

# SCIENCE COURSE SEQUENCE

Core science courses can be used to complete a portion of the Multidisciplinary endorsement requirements. Some courses may also count towards completing requirements for the STEM endorsement under the science pathway. To complete the requirements of the STEM endorsement students must complete two additional science credits beyond the required biology, chemistry, and physics. Courses that meet this requirement are designated in the descriptions.

Due to changes in graduation requirements for students who will graduate under the Foundation plan, students are strongly encouraged to look at college and university admissions criteria before making advanced science course selections.

## ACADEMIC COURSE TRACK I

Track for students who are following Track I in Mathematics (p. 55)



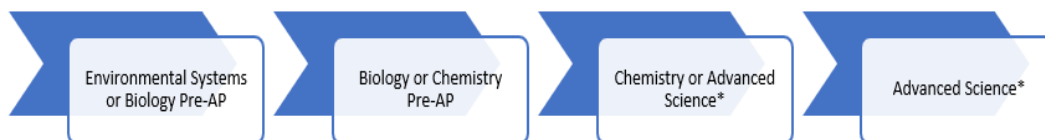
## ACADEMIC COURSE TRACK II

Track for students who are following Track II or III in Mathematics (p. 55)



## ADVANCED COURSE TRACK

Track for Students with good to strong math skills, *advanced sciences\** will require Algebra 2



\*Advanced Science Options: Anatomy Physiology (Dual), Aquatic Science, AP Biology, Chemistry (Dual), AP Environmental Science, Physics, AP Physics I and/or II

^ Passed Algebra I EOC preferred, completion of 2nd year math. Students may change between the regular and accelerated course sequences. Please consult your student's science teacher and counselor for more information. All schedule changes must follow procedures.

# SCIENCE

## ENVIRONMENTAL SYSTEMS

*Credits: 1*

*Prerequisites: None*

*Grade: 9*

*Course Key: ENVISY*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03020000*

This course is an introduction to environmental systems. Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and environmental systems, and population dynamics. This course can count as the fourth science credit under the Foundations with Endorsement Graduation Plans.

## BIOLOGY

*Credits: 1*

*Prerequisites: 9th Environmental Systems preferred*

*Grades: 9 - 11*

*Course Key: BIO*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03010200*

Students in Biology study a variety of topics that include structures and functions of cells and viruses, changes of organisms over time, cells, tissues, and nucleic acids and genetics, biological systems, homeostasis, ecosystems, and plants and the environment. End-of-Course objectives will be practiced in preparation for the state-mandated test.

## BIOLOGY PRE-AP

*Credits: 1*

*Prerequisites: Successful completion of 8th grade horizons science is recommended.*

*Grades: 9—10*

*Course Key: BIO H*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03010200*

Biology Pre-AP is accelerated and requires more independent reading and projects than regular Biology. Students in Biology Pre-AP study a variety of topics that include structures and functions of cells and viruses, changes of organisms over time cells, tissues, and organs, nucleic acids and genetics, biological systems, homeostasis, ecosystems, and plants and the environment. End-of-Course objectives will be practiced in preparation for the state-mandated test.

## CHEMISTRY

*Credits: 1*

*Prerequisites: 1 science credit, Algebra I*

*Grades: 10 - 12*

*Course Key: CHEM*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03040000*

This course is highly math oriented and requires good skills in algebra and geometry. There will be a significant amount of laboratory experiments. Students study a variety of topics that include: characteristics of matter, energy transformation during physical and chemical changes, atomic structure, periodic table of elements, behavior of gases, bonding, nuclear fusion and nuclear fission, chemical equations, properties of solutions, acids and bases, and chemical reactions.

## CHEMISTRY PRE-AP

*Credits: 1*

*Prerequisites: 1 science credit, strong Algebra I grades and concurrent enrollment in second year of math.*

*Grades: 10 - 12*

*Course Key: CHEMH*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03040000*

The course is *accelerated* and requires more critical thinking skills to successfully prepare the students for Dual Credit Chemistry. This is a fast paced course that is *highly math oriented*. It requires *excellent skills* in basic algebra and geometry and the ability to reason through a complex problem. Students study a variety of topics that include: characteristics of matter, energy transformation during physical and chemical changes, atomic structure, periodic table of elements and the trends associated with an elements location of the table, behavior of gasses, bonding, nuclear fusion and fission, oxidation-reduction reactions, chemical equations, properties of solutions, acids and bases, chemical reactions, thermodynamics and equilibrium.

# SCIENCE

## PHYSICS FOR ENGINEERING

*Credits: 1*

*Prerequisites: Algebra I & one credit of Chemistry or Physics*

*Grades: 11-12*

*Course Key: PHYSEN*

*Endorsement: Multidisciplinary*

*Service ID: 13037150*

Students conduct laboratory and field investigations, use scientific and engineering practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems are described in terms of space, time, energy, and matter. Students study topics, including laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

## PHYSICS

*Credits: 1*

*Prerequisites: 1 science credit, Algebra I and Geometry*

*Grades: 10 - 12*

*Course Key: PHYS*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03050000*

In this lab and activity based course, students will 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, sound, light, and atomic, nuclear, and quantum physics.

## ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS DUAL

*Credits: 1 (CTE)*

*Prerequisite: Biology, second Science credit,*

*Course Key: ANAT-D*

*Admittance to Schreiner University*

*Service ID: 13020600*

*Grade: 11-12*

*Endorsement: STEM, Health Sciences, Multidisciplinary*

Students study a variety of topics that include body structures, cell specialization, anatomy, functions, and regulating mechanisms. Anatomy and Physiology is designed to meet the needs of students who plan to major in biological health-oriented sciences or students who are curious about how the body works. Students will need to meet the admission requirements and deadlines for Schreiner University. See the dual liaison in the counseling office.

## ANATOMY AND PHYSIOLOGY

*Credits: 1 (CTE)*

*Prerequisite: Biology & second*

*Course Key: ANATPH*

*Science credit*

*Service ID: 13020600*

*Grade: 11-12*

*Endorsement: STEM, Health Sciences, Multidisciplinary*

Students study a variety of topics that include body structures, cell specialization, anatomy, functions, and regulating mechanisms. For students who plan to major in biological health-oriented sciences or students who are curious about how the body works, but do not take the Dual credit option.

## BIOLOGY AP

*Credits: 1*

*Prerequisites: Algebra I, Biology and Chemistry (PreAP recommended)*

*Grade: 11-12*

*Course Key: BIO P*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3010200*

AP Biology is an introductory college-level Biology course. Students cultivate their understanding of Biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. The course will focus on applying scientific knowledge in a variety of contexts. At the end of the course, students will have an awareness of the integration of other sciences into the study of Biology, understand the interconnectedness of all living organisms, and become knowledgeable and responsible citizens in understanding biological issues that could potentially impact their lives. Students enrolled in the course are expected to take the AP exam. *A packet reviewing basic biology may be assigned over the summer.*

## SCIENCE

### AQUATIC SCIENCE

*Credits: 1*

*Prerequisites: Biology and Chemistry or IPC*

*Grades: 11–12*

*Course Key: AQUSC1*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 03030000*

This course will bring real-world experiences and relevancy to learning, students will participate in extensive lab investigations outdoors. Students learn about water from the molecular level to the level of aquatic ecosystems. Students are guided through the characteristics of the water molecule and it's unique value for all life. Students will also be introduced to a wide variety of aquatic ecosystems that will focus on the water quality of our local Third Creek located here on campus and the watershed of the Guadalupe River Basin.

### CHEMISTRY DUAL

*Credits: 1*

*Prerequisites: Chemistry*

*Grades: 11 - 12*

*Course Key: CHEMDU*

*Endorsement: STEM, Multidisciplinary*

*Service ID: 13037220*

Chemistry Dual is designed to be the equivalent of a first year college general chemistry course. This course addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. Students will earn a high school and college credit. This course is taught on campus by a certified high school teacher with an online portion with a qualified professor from the University of Texas online. Students may NOT drop this course once enrolled.

### ENVIRONMENTAL SCIENCE AP

*Credits: 1*

*Prerequisites: Algebra I, Biology, Chemistry*

*Grades: 11 - 12*

*Course Key: ENV AP*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3020000*

This course is a college-level introduction to environmental science. This course integrates the sciences, including biology, chemistry, and earth science with social sciences. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and environmental systems, and population dynamics. Students enrolled in this course are expected to take the AP exam.

### PHYSICS I AP

*Credits: 1*

*Prerequisites: recommended concurrent enrollment in Algebra 2 or higher*

*Grades: 11 - 12*

*Course Key: PHYSA*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3050003*

This course is accelerated and requires critical thinking skills to successfully prepare students for the Physics AP exam. Homework will be required daily. Students will study a variety of topics to include: Newton's laws of motion (linear, circular, angular), torque, waves (sound), simple harmonic motion (pendulums and springs), and fluids. Extensive use of mathematical concepts from Algebra II and Pre-Calculus are incorporated into labs and application problems. Students enrolled in this course are expected to take the AP exam. *An online summer review and skill building with a duration of approximately 8 hours will be assigned.* A graphing calculator, TI-82 or newer is recommended.

### PHYSICS II AP

*Credits: 1*

*Prerequisites: Physics I AP and completion of Algebra 2*

*Grades: 12*

*Course Key: PHYSA2*

*Endorsement: STEM, Multidisciplinary*

*Service ID: A3050004*

This course is accelerated and requires critical thinking skills to successfully prepare students for the Physics II AP exam. Homework will be required daily. Students will study a variety of topics to include: thermodynamics, electrostatics, circuits, electromagnetism, optics, and quantum, atomic and nuclear physics. Extensive use of mathematical concepts from Algebra II and Pre-Calculus are incorporated into labs and application problems. Students enrolled in the course are expected to take the AP exam. A graphing calculator, TI-82 or newer is recommended.

# SOCIAL STUDIES COURSE SEQUENCE

Core social studies and economics courses can be used to complete a portion of the Multidisciplinary endorsement requirements. These courses can count towards completing requirements for the Arts and Humanities endorsement under the social studies pathway. To complete the requirements of the Arts and Humanities endorsement students must complete five credits in social studies and/or the economics areas of study. Courses that meet this requirement are designated in the descriptions.

Due to changes in graduation requirements for students who will graduate under the Foundation plan, students are strongly encouraged to look at college and university admissions criteria before making social studies and economics course selections.

## ACADEMIC COURSE TRACK

Although only 3 social studies credits are required for graduation, many colleges require 4 credits for admissions.



## ADVANCED COURSE TRACK

Although only 3 social studies credits are required for graduation, many colleges require 4 credits for admissions.



Students may change between the regular and accelerated course sequences as long as they meet pre-requisite requirements. Please consult your student's social studies teacher and counselor for more information. All schedule changes must follow procedures.

# SOCIAL STUDIES

## WORLD GEOGRAPHY

*Credits: 1*

*Prerequisites: None*

*Course Key: WGEOG*

*Grade: 9–10*

*Service ID: 03320100*

*Endorsement: Arts and Humanities, Multidisciplinary*

Students will explore the nature of geography, the physical setting of the earth, the interaction of physical environments, and analyze problems peculiar to urban centers of population.

## WORLD GEOGRAPHY PRE-AP

*Credits: 1*

*Prerequisites: Advanced 8th grade English (recommended).*

*Grade: 9–10*

*Course Key: WGEOGH*

*Endorsement: Arts and Humanities,*

*Service ID: 03320100*

*Multidisciplinary*

This course expands the regular course requirements to include higher level critical thinking activities. Students will prepare several well-organized writing assignments over the duration of the class. This course prepares students for AP World History. Students need to be willing to commit a significant amount of time out of class in order to complete assignments and to be successful in course.

## WORLD HISTORY

*Credits: 1*

*Prerequisites: None*

*Course Key: WHIST*

*Grade: 9–10*

*Service ID: 03340400*

*Endorsement: Arts and Humanities, Multidisciplinary*

Students will be given the opportunity to study the development of early civilizations, historical development of Western civilization, the impact of religions on current events and civilizations, historical development of other regions, geographic influences on world history, and developments of the 20<sup>th</sup> Century.

## WORLD HISTORY AP

*Credits: 1*

*Prerequisites: Pre-AP World Geography, Pre-AP English I (recommended)*

*Grade: 10*

*Course Key: WHSTAP*

*Endorsement: Arts and Humanities,*

*Service ID: A3370100*

*Multidisciplinary*

The purpose of the AP World History course is to develop a greater understanding of the evolution of global process and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and

their causes and consequences, as well as comparisons among major societies. Students must be prepared to analyze and express historical impacts on major societies through extensive out-of-class writing assignments. All Texas Essential Knowledge and Skills are covered throughout the year. Students will work at a level that will prepare them for the World History AP test and for the Dual Credit and AP programs at the junior and senior levels. *This class requires well developed reading skills to cope with extensive reading of a college-level textbook.* Students are expected to take the AP exam in the spring.

## UNITED STATES HISTORY

*Credits: 1*

*Prerequisites: None*

*Course Key: UHST*

*Grade: 11*

*Service ID: 03340100*

*Endorsement: Arts and Humanities, Multidisciplinary*

Students will study the emergence of the United States as a world power, demonstrate an understanding of issues and events in US History, analyze geographic influences on the historical development of the United States, identify economic and social influences on the development and growth of the U.S., demonstrate an understanding of political influences on historical issues and events, and use critical thinking skills to analyze social studies information. End-of-Course objectives will be practiced in preparation for the state-mandated test.

## UNITED STATES HISTORY DUAL

*Credits: 1*

*Prerequisites: Acceptance to UT OnRAMPS*

*Grade: 11*

*Course Key: USHD1 & USHD2*

*Endorsement: Arts and Humanities,*

*Service ID: 03340100*

*Multidisciplinary*

This course will cover the periods of US History from 1492 to the present. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking skills to evaluate the historical record. Students will earn high school and college credit. The course is taught on campus by a certified high school teacher with an online portion with a qualified professor from The University of Texas online. Students may NOT drop this course once enrolled.

## SOCIAL STUDIES

### UNITED STATES GOVERNMENT

*Credits:* ½

*Prerequisites:* U.S. History

*Course Key:* GOVT

*Grade:* 12

*Service ID:* 03330100

*Endorsement:* Arts and Humanities, Multidisciplinary

Students will study the foundations of the U. S. political system, development of the US governmental system, structures and functions of the three branches of our government, and participation and decision making in civic affairs. A study of current national and international events will be included in the curriculum.

### ADVANCED PLACEMENT U.S. GOVERNMENT AND COMPARATIVE GOVERNMENT

*Credits:* 1

*Course Key:* APCPGO, APUSGO

*Prerequisites:* US History or

*Service ID:* A3330200, A3330100

*US History Dual*

*Grade:* 12

*Endorsement:* Arts and Humanities, Multidisciplinary

This course includes the curriculum for AP United States Government and AP Comparative Government. The year long course will give students an analytical perspective on government and politics in the United States in addition to exploring governments from around the world. This course will include both the study of general concepts used to interpret U.S. government and politics as well as the analysis of specific examples. The course requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. All Texas Essential Knowledge and Skills are covered throughout the year. Students can earn up to 6 hrs. of college credit by taking both the AP U.S. Government and AP Comparative Government exams. Students who register for this course are making a 36-week commitment. Completion of both courses is expected in order to meet graduation requirements. Students are expected to take the AP exam.

### PERSONAL FINANCIAL LITERACY AND ECONOMICS

*Credits:* ½

*Prerequisites:* None

*Course Key:* PFLE

*Grades:* 11–12

*Service ID:* 03380083

*Endorsement:* Arts and Humanities, Multidisciplinary

Students will survey the impact of demand, supply, various industry structures, and government policies on the market for goods, services, and wages for workers. Macroeconomic study involves economic systems with an emphasis on free enterprise market systems, goals of full employment, price stability, and growth while examining problems such as unemployment and inflation and the policies enacted to

address them. The course also builds on and extends the personal finance content and concepts studied in Kindergarten-Grade 8 in mathematics in Texas. It is an integrative course that applies the same economic way of thinking developed to making choices about how to allocate scarce resources in an economy to how to make them at the personal level. The course requires that students demonstrate critical thinking by exploring how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Further, students will connect how their financial decision making impacts the greater economy.

### ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

*Credits:* ½

*Prerequisites:* U.S. History

*Course Key:* ECO

*Grade:* 12

*Service ID:* 03310300

*Endorsement:* Arts and Humanities, Multidisciplinary

Students will be given the opportunity to study the American Free Enterprise System, the role of government in the American economic system, international economic relations, and consumer economics.

### ADVANCED PLACEMENT MACROECONOMICS AND MICROECONOMICS

*Credits:* 1

*Prerequisites:* Algebra II

*Course Key:* APMACE, APMICE

*Grade:* 12

*Service ID:* A3310200, A3310100

*Endorsement:* Arts and Humanities, Multidisciplinary

This course includes the curriculum for AP Macroeconomics and AP Microeconomics. These courses are designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole, with emphasis on national income, price determination, economic performance measures, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students can earn up to 6 hrs. of college credit by taking both Macro and Micro AP exams. All Texas Essential Knowledge and Skills are covered throughout the year. Students who register for this course are making a 36-week commitment. Completion of both courses is expected in order to meet graduation requirements. Students are expected to take the AP exam.

These courses can count towards completing requirements for the Arts and Humanities endorsement under the social studies pathway. To complete the requirements of the Arts and Humanities endorsement students must complete five credits in social studies and/or the economics areas of study. Courses that meet this requirement are designated in the descriptions.

## AP PSYCHOLOGY AND SOCIAL RESEARCH METHODS

*Credits: 1 (½ Social Studies Research Methods, ½ Psychology AP)*

*Prerequisite: None*

*Grade: 11 - 12*

*Course Key: PSY P & SS RES*

*Endorsement: Arts and Humanities      Service ID: A3350100 & 03380003*

This course includes the AP College Board curriculum for introductory college psychology course. Students analyze various methods, approaches, and history of psychology. Additionally, students examine biological bases of behavior: sensation and perception, states of consciousness, learning, cognition, motivation and emotion, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. Students who register for this course are making a 36-week commitment. Students will receive ½ credit in Social Studies Research Methods in the fall and ½ credit in Psychology AP in the spring. *This class requires well developed reading skills to cope with extensive reading of a college-level textbook.* Students are expected to take the AP exam in the spring.

## SPECIAL TOPICS I AND II

*Credits: ½, 1*

*Prerequisite: None*

*Course Key: SPTSUS, SPTSS2*

*Grade: 11 - 12*

*Service ID: 03380002, 03380022*

*Endorsements: Arts and Humanities*

Students are provided the opportunity to delve deeper into a particular historical topic and evaluate how this topic's historic, political, economic, geographic, multicultural, and social forces has shaped their lives and the world in which they live. Topics may vary by semester or school year. For each topic, students will be expected to make rational and logical analyses of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

## PERSONAL FINANCIAL LITERACY (Elective)

*Credits: ½*

*Prerequisites: None*

*Course Key: PFL*

*Grades: 10—12*

*Service ID: 03380082*

This course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Concepts could include understanding

interest and credit card debt, home ownership, starting a small business, investments, savings and bank accounts, loans, insurance, and charitable giving.

## PSYCHOLOGY

*Credits: ½*

*Prerequisite: None*

*Grade: 11 - 12*

*Course Key: PSY*

*Endorsements: Arts and Humanities*

*Service ID: 03350100*

This elective course is designed as an introduction to the methods and theories of major psychologists. Students study topics including the theories of human development, personality, motivation and learning and connect how those methods apply to analyzing human behavior. Course content includes human development, perceptions and consciousness, learning and thinking, personality, abnormal behavior and treatment methods.

## SOCIOLOGY

*Credits: ½*

*Prerequisite: None*

*Grade: 11 - 12*

*Course Key: SOCIOL*

*Endorsements: Arts and Humanities*

*Service ID: 03370100*

This course provides an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

## MEXICAN AMERICAN STUDIES

*Credits: 1*

*Prerequisite: None*

*Course Key: ESMAS*

*Grades: 10-12*

*Service ID: 03380084*

*Endorsements: Arts and Humanities*

Students learn about the history and cultural contributions of Mexican Americans. In this course, students will explore history and culture from an interdisciplinary perspective. They will have opportunities to interact with relevant film, literature, art, and other media. The course emphasizes developments in the twentieth and twenty-first centuries, but students will also engage with developments prior to the twentieth century.

These courses can count towards requirements for the Arts and Humanities endorsement under the LOTE pathway. To complete the requirements of the Arts and Humanities endorsement students must complete four credits in the same language or a combination of four credits in two languages. Students may be eligible to skip novice levels if they can demonstrate the required proficiency needed for the next level.

**GERMAN I**

*Credits: 1*  
*Prerequisites: None* *Course Key: GRMAN1*  
*Grades: 9 - 12* *Service ID: 03420100*  
*Endorsement: Arts and Humanities*

German I covers fundamentals of the German language and culture without the need for any previous knowledge of the German language. The student will comprehend both oral and written language as well as speak about topics familiar to them. Themes are concrete and pertinent to student interest and usage. This course emphasizes reading, writing, speaking, and oral comprehension.

**GERMAN II**

*Credits: 1*  
*Prerequisites: German I* *Course Key: GRMAN2*  
*Grades: 9 - 12* *Service ID: 03420200*  
*Endorsement: Arts and Humanities*

German II expands upon the abilities of students from German I. Themes are more abstract, but generally related to student interests and needs. Structure and grammar are utilized to add support to more complex language. Continuing with the development of the basic forms of communication, this course emphasizes reading, writing, speaking, and oral comprehension.

**GERMAN III**

*Credits: 1*  
*Prerequisites: German II* *Course Key: GRMAN3*  
*Grades: 10 - 12* *Service ID: 03420300*  
*Endorsement: Arts and Humanities*

German III continues to expand student abilities. Topics include political, environmental, and geographic issues, technology, and living situations. Although themes become more abstract, students are exposed to more complex German grammar. Students will continue to develop and refine their German skills in speaking, listening, reading, and writing.

**GERMAN IV**

*Credits: 1*  
*Prerequisites: German III* *Course Key: GRMAN4*  
*Grades: 10 - 12* *Service ID: 03420400*  
*Endorsement: Arts and Humanities*

German IV students greatly enhance their reading and writing abilities by studying a variety of topics including but not limited to future educational and occupational plans, the environment, consumer behavior, and learning styles. Extensive writing and reading concerning current events allow student to expand their German while exploring how others perceive the world. German sources, including the internet, will be explored while discussing current political, geographic, and economic events.

**SPANISH I**

*Credits: 1*  
*Prerequisites: None* *Course Key: SPAN1*  
*Grades: 9 - 12* *Service ID: 03440100*  
*Endorsement: Arts and Humanities*

Beginning at the most basic level, the student does not need to have any previous knowledge of the Spanish language in order to be successful. Students will learn vocabulary and language structures needed to communicate about daily experiences. An emphasis on listening, oral proficiency and language study skills provides the non-native speaker opportunities to establish a good foundation for further language study. It provides the student who has some language experience a variety of opportunities to practice and improve language skills.

**SPANISH I HONORS**

*Credits: 1*  
*Prerequisites: See description* *Course Key: SPAN1H*  
*Grades: 9 - 12* *Service ID: 03440100*  
*Endorsement: Arts and Humanities*

This course is designed for the advanced student who has a strong interest in and an aptitude for the Spanish language and culture. Students must have met standard on the 8th grade Reading STAAR and have an 85 final average in both Reading and English from 8th grade.

# FOREIGN LANGUAGE

## SPANISH II

*Credits: 1*

*Prerequisites: Spanish I*

*Course Key: SPAN2*

*Grades: 9 - 12*

*Service ID: 03440200*

*Endorsement: Arts and Humanities*

This is an intermediate course for students who have taken Spanish I or students who have proven mastery of set skills. Students will be expected to master simple expressions and vocabulary to conduct daily conversation on familiar topics. In order to achieve these goals, students will engage in a variety of activities, including skits, practice drills, workbook activities, and journal writing.

## SPANISH II HONORS

*Credits: 1*

*Prerequisites: Spanish I or*

*Course Key: SPAN2H*

*Spanish I Pre-AP (recommended)*

*Service ID: 03440200*

*Grades: 9 - 12*

*Endorsement: Arts and Humanities*

This is a demanding, fast-paced course of study which prepares students for the AP Spanish Language course pathway and examination. Students will be expected to speak, read, write, and comprehend Spanish in class. Major grammatical structures and a wide array of vocabulary will be presented. Students should expect much of the class to be conducted in Spanish.

## SPANISH II HONORS FOR SPANISH SPEAKERS

*Credits: 1*

*Prerequisites: Language Survey and*

*Course Key: SPSS2H*

*Placement test*

*Service ID: 03440220*

*Grades: 9 —10*

*Endorsement: Arts and Humanities*

This course is for students who understand and speak Spanish. It offers students opportunities to expand their knowledge of Spanish using special materials and activities designed for Spanish speakers. Students will continue to develop and refine their Spanish skills in speaking, listening, reading and writing through an enriched curriculum that focuses primarily on the Spanish-speaking world.

## SPANISH III HONORS

*Credits: 1*

*Prerequisites: Spanish II or*

*Course Key: SPAN3H*

*Spanish II Pre-AP*

*Service ID: 03440300*

*Grades: 10 - 12*

*Endorsement: Arts and Humanities*

This is a demanding, fast-paced course of study dedicated to continuing preparation for the AP Spanish Language Exam. Students will work toward mastery of advanced grammar structures and a wide range of vocabulary will be practiced to improve reading comprehension, listening, writing, and speaking skills. Reading and listening activities will be drawn from authentic materials from the Spanish-speaking world. Spanish will be the primary language utilized in the course by both students and instructor.

## SPANISH IV AP LANGUAGE AND CULTURE

*Credits: 1*

*Prerequisites: Spanish III Pre-AP*

*Course Key: SPN4AP*

*Grades: 11 - 12*

*Service ID: A3440100*

*Endorsement: Arts and Humanities*

Students will prepare to take the AP Spanish Language and Culture Exam. Students will read, listen to and discuss a variety of authentic materials in order to improve interpretive reading and listening skills. Grammar and vocabulary will be refined to accomplish a variety of communication tasks including writing and speaking in formal and informal registers. There will be many opportunities to practice for the AP Spanish Language Exam. Students should expect the entire class to be conducted in Spanish. Students will be expected to speak Spanish as much as possible.

# TECHNOLOGY APPLICATIONS

## COMPUTER SCIENCE I (DUAL)

*Credits: 1*

*Prerequisites: Algebra I, Admittance to UT OnRAMPS*

*Grades: 9–12*

*Endorsement: Business and Industry*

*Course Key: COMP D  
Service ID: 03580200*

This is an elective course which can count as the first year credit for a Language Other than English. The course covers the principles of computer science introducing students to the creative aspects of programming, abstractions, algorithms, large data sets, and other computing impacts. This is a basic, introductory course where students will acquire Texas College and Career Readiness Skills, apply critical thinking, problem solving, and communication within a project based learning framework. Students can earn high school and college credit. The course is taught on campus by a certified high school teacher along with an online portion which is taught with a qualified professor from the University of Texas. Students may NOT drop this course once enrolled.

## COMPUTER SCIENCE 2 (DUAL)

*Credits: 1*

*Prerequisites: Computer Science I, Admittance to UT OnRAMPS*

*Grades: 10–12*

*Endorsement: Business and Industry*

*Course Key: TACS2 D  
Service ID: 03580300*

This is an elective course which can count as the second year credit for a Language Other than English in combination with Computer Science 1 credit. **For the 2025-2026 school year**, students can earn high school and college credit. This Elements of Computers and Programming course covers problem solving and fundamental algorithms for various applications in science, business, and on the World Wide Web, and introductory programming in a modern object-oriented programming language. The course is taught on campus by a certified high school teacher along with an online portion which is taught with a qualified professor from the University of Texas. Students may NOT drop this course once enrolled.

# MISCELLANEOUS ELECTIVES

## PEER ASSISTANCE AND LEADERSHIP SKILLS (PALS I)

*Credits: 1*

*Prerequisites: Application and interview process*

*Grades: 11 - 12*

*Course Key: PALS1*

*Service ID: N1290005*

This course is a peer-helping program in which students will be trained to work as peer facilitators with other students in our district. Positive peer influence will be utilized as a central strategy for addressing such issues as at-risk youth, drop-out prevention, substance abuse prevention, teen pregnancy, suicide, absenteeism, and other teen problems and concerns in the school district.

## PEER ASSISTANCE AND LEADERSHIP SKILLS (PALS II)

*Credits: 1*

*Prerequisites: PALS I*

*Grades: 11 - 12*

*Course Key: PALS2*

*Service ID: N1290006*

PALS II is an extension of PALS I with emphasis on community volunteer service. PALS II will provide field experience with a variety of community agencies designed to help peers and adults. Participants will also help in the training of the PALS I group as well as continue fieldwork throughout the district as needed.

## PEER ASSISTANCE FOR STUDENTS WITH DISABILITIES I

*Credits: 0.5*

*Prerequisites: Application process*

*Grades: 11-12*

*Course Key: PASWD1*

*Service ID: N1290203*

*Peer Assistance for Students with Disabilities* is designed to promote an inclusive educational environment for special education students. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom.

## LEADWORTHY THE COURSE

*Credits: 0.5*

*Prerequisites: NONE*

*Grades: 9-12*

*Course Key: LDWRTY*

*Service ID: N1290012*

Leadworthy The Course is designed to develop personal responsibility, leadership, and professional skills through explicit social-emotional participatory learning experiences. The course provides students the opportunity to develop an awareness of personal image, a healthy self-concept, and healthy relationships. Students learn the concepts of consequential thinking and principle-based decision making. Students examine their awareness of social media, the effects of peer pressure and bullying, along with effective strategies to counteract those effects. This course will provide students opportunities to improve their public speaking and communication skills and their personal vision, mission statement, and goals. They will develop an understanding of what it means to be an effective member of the community through community service.

## SPORTS MEDICINE (I, II, III)

*Credits: 1*

*Prerequisites: Open to all students. Students who wish to be athletic trainers will need to complete an application.*

*Grades: 9—12*

*Course Key: SPTMD1, SPTMD2, SPTMD3*

*Service ID: N1150040, N1150041, N1150044*

This course is designed to provide an in-depth study and application of the components of medicine in the sports industry. It bridges the gap between basic human anatomy, clinical rotations and athletic injuries. Students will be provided the opportunity to learn foundational knowledge that will be useful in pursuit of careers in the medical field. Students will study and apply concepts that include prevention, recognition, evaluation, management, rehabilitation and immediate care of athletic injuries.

## STRATEGIC LEARNING FOR HIGH SCHOOL MATH

*Credits: 1*

*Prerequisites: 9th grade students who have not demonstrated proficiency of 8th grade math*

*Grades: 9*

*Course Key: STLNHS*

*Service ID: N1110030*

This is an innovative state math elective course. Students will gain skills to foster a deeper understanding of mathematical concepts. Strategies and concepts will be designed to better prepare students for Algebra I.

## SPECIAL PROGRAMS

### READING I, II, III

*Credits: 1*

*Prerequisites: Students who have not demonstrated proficiency of English/Language Arts*      *Course Key: READ, READ2, READ3*  
*Grades: 9 – 12*      *Service ID: 03270700, 03270800, 03270900*

Reading is a course designed for eligible students who are not native speakers of English. Reading offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Its purpose is to develop English language acquisition and language learning. These courses also prepare students for academic skills that will help them be more successful on the state-mandated STAAR and TELPAS assessments. Please see the LPAC administrator or a counselor for information on other courses for English as a Second Language students.

### MAKING CONNECTIONS I, II, III, IV

*Credits: 0.5*      *Course Key: MCONN1, MCONN2, MCONN3, MCONN4*  
*Prerequisites: ARD Placement*      *Service ID: N1290332, N1290333, N1290334, N1290335*  
*Grades: 9 – 12*

The Making Connections course sequence serves students who have an autism spectrum disorder or a related disorder such as social (pragmatic) communication disorder which causes them to have difficulty with social skills. The courses also assist the students with developing and generalizing appropriate and beneficial social skills and in turn increases that student's postsecondary outcome. The courses assist students with developing skills to employ collaborative problem solving.

### PATH COLLEGE & CAREER MODIFIED I, II, III, IV

*Credits: 0.5-1.0*      *Course Key: PATHC1, PATHC2, PATHC3, PATHC4*  
*Prerequisites: ARD Placement*      *Service ID: N1290051, N1290052, N1290053, N1290054*  
*Grades: 9 – 12*

The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. The Path secondary course series focuses on developing the habits and skills that are expected in college study and the workforce. Students develop personal, interpersonal, and cognitive skills that are essential to productivity in both the collegiate and business worlds.

### SPECIAL EDUCATION STUDENTS

*Individual educational programs for each student with special needs are determined annually by the Admission, Review, and Dismissal (ARD) committee. Course selections are based upon the student's graduation plan and instructional arrangement. Please discuss course offerings with the diagnostician and your student's case manager.*

## LOCAL CREDIT COURSES

### STUDENT SERVICE

*Credits: 1 (LOCAL)*      *Course Key: varies, begins with SS*  
*Prerequisites: Application process*      *Service ID: 85000STU*  
*Grades: 12*

This course is designed for seniors who are pre-approved through an application process. Students are expected to be able to fulfill duties and responsibilities common to school-related offices; to have skills for effective communication and information management in an office or classroom environment; and to understand social ramifications related to privacy, values, and ethics in office and classroom environments. Students may only take one 1 credit unless otherwise approved by an administrator for extenuating circumstances. Students may not substitute this course for a required graduation credit. This course is only a local credit and may not count towards the required number of credits needed for graduation.