

# **Brownsboro High School**

## **Educational Planning Guide**



**2024-2025**



## Educational Planning Guide

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### ADMINISTRATION

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Principal  
Assistant Principal  
Assistant Principal  
Counselor  
Counselor



# MISSION

BISD will encourage, empower and equip ALL students to achieve their full potential.

# VISION

**BETTER TODAY**  
*Greater tomorrow*

# BELIEFS

- *Every* student is a perfect creation that deserves a chance.
- *Every* child has *value* and deserves the very best we can give.
- EVERYONE matters at BISD.
- A small-town atmosphere leads to stronger relationships.
- We are a "family/community comes first" district.
- The BISD community will support *anything that benefits our students*.
- We use *different measures of success* than just test scores.
- "Out of the box" thinking excites both students and teachers.
- Facilities are *not* a measure of what can happen inside of them.
- We can be the "go-to" district!

*It is the policy of Brownsboro Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IV of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.*

# PORTRAIT OF A GRADUATE

The fundamental goals of the District reflect that the District's curriculum and instructional program shall enable students to be:

1. **Effective communicators** who master the skills of reading, writing, speaking, and listening necessary for daily living and for efficient functioning in a diverse and complex society.
2. **Creative problem solvers** who have the ability to comprehend and process oral, written, visual, and mathematical information to assess and resolve problems.
3. **Collaborative team members** who use leadership and group skills to establish effective, supportive, and cooperative interpersonal relationships.
4. **Wellness advocates** who practice habits that continually improve and maintain their mental and physical health. They are self-assured and have a positive self-image.
5. **Technology users** who understand and apply a variety of current technologies to access information, produce products, and solve problems in their personal and professional lives.
6. **Celebrants of diversity** who practice respect through acceptance and tolerance of others, creating community by speaking positively, reserving judgment, and valuing individuality.
7. **Future employees** with a strong work ethic who demonstrate knowledge about current careers, possess the appropriate skills necessary to attain work, and pursue the necessary requirements and/or training to advance their careers.
8. **Life-long learners** who commit to the process of learning, value education in order to create a vision for their future, set priorities and goals, create options, and take responsibility for pursuing, monitoring, and evaluating their goals.



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# OVERVIEW

This 2024-2025 Education Planning Guide has been developed to provide course selection information for Brownsboro ISD students. This education guide concerns planning information for grades 9-12, followed by graduation requirements and course descriptions, as well as other pertinent course information. This information is provided to assist students and parents during the registration and course selection process. Parents and students are encouraged to meet with the counselor and campus student support services personnel for assistance in selecting courses that will meet students' needs for the future and also meet graduation plan requirements. Students should select courses that are appropriate for their academic abilities and interests. It is important to consider the combination of courses and the demands on time for studying, practicing, performing, or competing. Careful consideration and planning is vital for making wise decisions regarding course selections needed for the achievement of future goals.

Courses are scheduled for the 2024-2025 school year based on the information collected during the Spring course selection process. It is possible that some courses included in this Education Planning Guide may not be scheduled during the 2024-2025 school year. This material is published early in the preceding school year, so some changes in procedure, policy, or course offerings may be required.

Schedule Process and Timeline	
ACTION	DATE
Grade Course Offering Meeting with Counselors and Course Selection Sheets Distributed to Students	February
Parent-Student Course Selection Window	February - 2nd week in March
Course Selection sheets Due	February 22
Campus Master Schedule creation based on student selection numbers	March - April
TSI Deadline for 24-25 Schedule Requirements	Last Day of 23-24 School Year
Schedule Change Deadline	Last Day of 23-24 School Year
Student Schedule Creation	April - June



# GRADUATION PLANS

Under State Board of Education rules, students are offered a variety of graduation plans to choose from. All students entering the 9<sup>th</sup> grade are required to complete the High School Foundation Program. In addition to the Foundation Program, students must choose an endorsement pathway and have the option for distinguished graduation. See the table below for detailed graduation requirements.

2024-2025 Graduation Requirements						
	Foundation	Required Courses	Foundation with Endorsement	Required Courses	Foundation with Endorsement <i>Distinguished</i>	Required Courses
English	4	ELA I, II, III, IV	4	Foundation Plan	4	ELA I, II, III, IV <i>minimum 1 class from Level 2 or 3</i>
Science	4	Biology, Chemistry	4		4	Biology, Chemistry <i>minimum 1 class from Level 2 or 3</i>
Math	4	Algebra I, Geometry	4		4	Algebra I, Geometry <i>minimum 1 class from Level 2 or 3</i>
Social Studies	3	World History, US History, Government, Economics	3		3	World History, US History, Government, Economics <i>minimum 1 class from Level 2 or 3</i>
Language other than English	2	Spanish I, Spanish II	2		2	Spanish I, Spanish II
Fine Arts	1	none	1		1	none
Tech	1	none	1		1	none
PE	1	none	1		1	none
Health	1	Principles of Health Science/Health	1		1	Principles of Health Science
Speech	0.5	Professional Communications	0.5		0.5	Professional Communications
Electives	5	CTE Pathway or Endorsement	7	CTE Pathway or Endorsement	7	CTE Pathway or Endorsement
<b>TOTAL</b>	<b>26.5</b>		<b>28.5</b>		<b>28.5</b>	

# ADVANCED COURSE OFFERINGS AND WEIGHTINGS

## Class of 2026 and Beyond

Class rankings are calculated on a scale of 100 and are computed at the end of each semester. Final rank in class for the purpose of determining valedictorian and salutatorian and honor graduates is calculated at the end of the 3<sup>rd</sup> nine-week grading period of the senior year. Brownsboro High School uses a weighted grade averaging system that is designed to recognize the relative difficulty and effort required for the courses taken. The additional points added to the grade are used solely for ranking purposes and will only be reflected in the GPA on the student's transcript. In order for a student to receive a weighted score for gpa calculations, the student must be enrolled in the advanced course offered, and scheduled, at the high school campus, regardless of the instructional delivery method, for the school year in which they receive the credit.

For more information on class rank and weighting refer to EIC (Local)-X policy

Course ID	Maximum Weighted Points	Calculation
Level 1	0	none
Level 2	10	+5 added to the semester grade at the end of each semester completed
Level 3	15	+7.5 added to the semester grade at the end of each semester completed

Advanced Course Weightings				
COURSE	LEVEL	SEMESTERS	WEIGHTING MULTIPLIER	GPA CREDIT MULTIPLIER
DC STATISTICS 1342	2	1	0.5	0.5
DC SPEECH 1315	2	1	0	0
DC PRECALCULUS	2	1	0.5	0.5
DC GOVERNMENT 2305	2	1	0.5	0.5
DC ENGLISH 1302	2	1	0.5	0.5
DC ENGLISH 1301	2	1	0.5	0.5



DC ECONOMICS 2301	2	1	0.5	0.5
DC CALCULUS 2413	2	1	0.5	0.5
DC BIOLOGY 1408	2	1	0.5	0.5
DC BIOLOGY 1409	2	1	0.5	0.5
DC ART 1301	2	1	0	0
DC ALGEBRA 1314	2	1	0.5	0.5
DC US HISTORY 1301	2	1	0.5	0.5
DC US HISTORY 1302	2	1	0.5	0.5
DC ENGLISH 2322	1	1	0	0
DC GOVERNMENT 2306	1	1	0	0
HONORS BIOLOGY	2	2	1	1
HONORS WORLD HISTORY	2	2	1	1
HONORS US HISTORY	2	2	1	1
HONORS ALGEBRA I	2	2	1	1
HONORS CHEMISTRY	2	2	1	1
HONORS GEOMETRY	2	2	1	1
HONORS PHYSICS	2	2	1	1
AP GOVERNMENT	3	1	0.5	0.5
AP US HISTORY	3	2	1	1
AP ENGLISH 4	3	2	1	1
AP ENGLISH 3	3	2	1	1
AP CHEMISTRY	3	2	1	1
AP CALCULUS	3	2	1	1
AP BIOLOGY	3	2	1	1

*No points will be awarded to a failing grade in the course*

**EXAMPLE: Junior Year Social Studies**

DC Economics during the fall semester earning a grade of 85 =  $85(10 \times .5) = 90$

AP Government during the spring semester earning a grade of 75 =  $75(15 \times .5) = 82.5$

**GPA Calculation:**

Yearly GPA Calculation =  $(90 \times .5) + (82.5 \times .5) = 86.25$

## Class Rank and Class Weight for the Class of 2025

<b><u>Level Three:</u></b> AP Biology, AP Chemistry, AP English 3, AP English 4, AP US Government, AP US History, AP PreCal/Cal
<b><u>Level Two:</u></b> Dual Credit -*Art, Algebra, Biology, Economics, English, US Government, Speech, US History All Honors Classes as listed in the course description guide/choice sheet
<b><u>Level One:</u></b> All other courses

\* denotes semester class that is a full high school credit, earning the full Level Two weight

The district will assign weights to semester grades earned in eligible courses and calculate a weighted numerical grade average in accordance with the following scale:

Class Category	Weight - Semester One	Weight - Semester Two
Level Three	Plus 10	Plus 10 IF the AP test score is at least a 3
Level Two	Plus 5	Plus 5
Level One	Plus 0	Plus 0

# ADVANCED PLACEMENT PROGRAM

Advanced Placement courses are academically advanced courses designed to challenge motivated students. The courses will require significantly more work outside of class than on-grade-level courses due to their rigorous content. These courses are aligned with The College Board and offer the most solid foundation for students desiring to go to college. AP classes are offered in a students' junior and senior years and enrollment is dependent upon completion of prerequisite courses as outlined in the Core Tracks section of this guide below.

## AP Guidelines

1. A student must maintain an average of 70 or better in the AP course.
2. The student must maintain a high level of attendance.
3. The student must demonstrate responsibility in turning in assignments on time and following all grading and work policies as established by the district and/or AP instructor.

## AP Probation

If a student's average for an AP course is less than a 70 at the end of any 9-week grading period, the student will be placed on probation for the course. The probationary period requires the following:

1. A student-parent-teacher conference
2. Individual Academic Intervention Plan developed in the conference and approved by the appropriate administrator

If the above stipulations have been met and the student's average in the course remains below a 70 for 2 subsequent 3 week grading report periods, the student will be subject to removal from the AP course for the following semester.

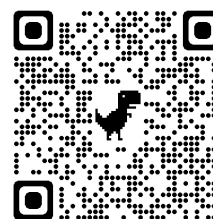
# Dual Credit and Bear Academy Tracks

## Bear Academy

Bear Academy is a dual credit program allowing qualifying students to take 44 college credit hours leading to Core Complete while in high school. The admission process for Bear Academy begins in the spring of a student's freshman year. To be accepted into the Academy and per TVCC requirements, a student must:

- I. Have a GPA of 85 or above
- II. Take the Texas Success Initiative (TSI) Exam by the end of the student's freshman year, earning a passing score on the ELA portion of this test.
- III. Final approval determined by a TVCC Dual Credit Coordinator

[Please see the Bear Academy Handbook for detailed information or contact the Dual Credit Coordinator at the High School.](#)



### Core Complete Requirements

Upon completion of the program, all of the hours will be transferable to every Texas public university. For more info visit <http://www.theccb.state.tx.us/apps/tcc/>

Course	Hours
Math (MATH 1314)	3
Creative Arts (Art 1301)	3
Social/Behavioral Sciences (Econ 2301)	3
Language, Philosophy, Culture (Brit Lit 2322)	3
Elective (Speech 1315) (Math 1342)	6
Communications (English 1301/1302)	6
History (1301/1302)	6
Government (Govt 2305/2306)	6
Science (Biology 1406/1407)	8
Total	44

*Students have the option to take dual credit courses outside of Bear Academy if all aforementioned requirements have been met and with approval from the counselor and Dual Credit Coordinator.*

# CORE TRACKS

SCIENCE				
	1	2	3	4
Foundations	Biology	Chemistry IPC	Chemistry IPC	Forensics Advanced Animal A&P Physics
Dual Credit Track	Biology Honors Biology	Chemistry	DC Biology	Physics Forensics A&P Advanced Animal
AP Track	Honors Biology	Honors Chemistry	AP Biology AP Chemistry	AP Biology AP Chemistry

MATH				
	1	2	3	4
Foundations	Algebra I	Geometry	Financial Math Math Models Algebra II	Financial Math Math Models TSI Math
Dual Credit Track	Geometry Honors	Algebra 2 Honors	Honors Pre-Cal	DC Algebra/Stats
AP Track	Geometry Honors	Algebra 2 Honors	Honors Pre-Cal	AP Calculus

ENGLISH				
	1	2	3	4
Foundations	English I	English II	English III	English IV
Dual Credit Track	English I Honors English I	English II Honors English II	DC English 1301/1302	English IV AP English IV
AP Track	Honors English I	Honors English II	AP English III	AP English IV

<b>SOCIAL STUDIES</b>				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Foundations</b>	World History	U.S. History	Economics/ Government	none
<b>Dual Credit Track</b>	World History Honors World History	U.S. History Honors U.S. History	DC Government 2305 DC Economics 2301	AP U.S. History (optional)
<b>AP Track</b>	Honors World History	Honors U.S. History	AP Government DC Economics 2301	AP U.S. History

# COURSE REQUIREMENT FULFILLMENT

*The courses stipulated below may be taken to satisfy the graduation track requirements.*

English	Science	Math	Social Studies	Language other than English
English I, II, III, IV	Biology	Algebra I	World History	Spanish I, II
TSI English	Chemistry	Geometry	US History	
DC English	Forensics	Algebra II	Government	
	Advanced Animal Science	Math Models	Economics	
	Physics	Financial Math		
	IPC	Pre-Calculus		
	AP or DC Biology	TSI Math		
	AP Chemistry	Calculus		
	Anatomy & Physiology			
Fine Arts	CTE	Physical Education	Health	Speech
Art I, II, III, IV	See CTE Course Offerings.  CTE Credit must be a level 2 or higher and not used to fulfill any other requirement.	PE	Principles of Health Science	Professional Communications
Band		Band		
Theater		Athletics		
Tech Theater		Cheer		
		Drill Team		

# ENDORSEMENTS

Students earn an endorsement by completing foundation graduation requirements, an additional math and science course, and 4 or more credits from a series of related courses. Two credits must be from the same Program of Study with one or more of those being an advanced (3 or 4) level course.

Endorsements	Description	Programs of Study Offered
<u>STEM</u> (science, technology, engineering and math)	Courses directly related to science and advanced mathematics. *Algebra II is required for STEM endorsement	<u>Advanced Math</u> 5 credits of math including 2 additional courses beyond Algebra II <u>Advance Science</u> 5 credits of science including chemistry and physics
<u>ARTS AND HUMANITIES</u>	Courses directly related to political science, history and fine arts	<u>Fine Arts</u> 4 credits in art, theater, dance fine art, choir, jazz ensemble or applied music (or 2 credits from 2 disciplines)
<u>BUSINESS AND INDUSTRY</u> (through the Career and Technology Education Department)	Courses related to both service and manufacturing industries ranging from industrial and technical trades to business, agricultural and graphic design occupations to information technology, and culinary arts	<u>Agriculture:</u> <ul style="list-style-type: none"> <li>• animal science</li> <li>• plant science</li> <li>• applied agricultural engineering/welding</li> </ul> <u>Arts, A/V and Communications:</u> <ul style="list-style-type: none"> <li>• digital communications</li> <li>• design and multimedia arts</li> </ul> <u>Business:</u> <ul style="list-style-type: none"> <li>• accounting and financial services</li> <li>• business management</li> </ul> <u>Hospitality and Tourism:</u> <ul style="list-style-type: none"> <li>• culinary arts</li> </ul> <u>Manufacturing:</u> <ul style="list-style-type: none"> <li>• adv manufacturing and machinery/robotics</li> </ul>
<u>PUBLIC SERVICES</u> (through the Career and Technology Education Department)	Courses directly related to health science occupations, education and training	<u>Education and Training:</u> <ul style="list-style-type: none"> <li>• teaching and training</li> <li>• early learning</li> </ul> <u>Human Services</u> <ul style="list-style-type: none"> <li>• Family and community services</li> </ul> <u>Health Science</u> <ul style="list-style-type: none"> <li>• healthcare therapeutic services</li> </ul>
<u>MULTI-DISCIPLINARY</u>	Allows students to earn credits in a variety of advanced courses from multiple content areas sufficient to complete distinguished level under the foundation high school program	(Combination)



# SPECIAL PROGRAMS

To meet the requirements of state and federal law, Brownsboro High School also offers several programs designed to meet specific needs of some students. Students are identified as eligible for one or more of these programs based on assessments made after referrals and recommendations from teachers and counselors. Parents and students will always be informed about the program before placement. Students are also identified based on an assessment after a request or referral from the parents. If parents have any questions about the referral and identification process for any of the following programs, they should contact their child's teacher(s), counselor, or the campus principal.

**Special Education:** Brownsboro ISD provides special education and related services for students with disabilities and determines a student's eligibility to special education according to State and Federal guidelines. For further information, contact BISD Director of Special Education at (903) 852-3701.

**Section 504:** Brownsboro ISD provides Section 504 services for students with disabilities according to State and Federal guidelines. For further information, contact the BHS Counseling Center at (903) 852-2321.

**Bilingual Education/English as a Second Language:** English is the basic language of instruction in Brownsboro ISD schools. Children who have limited English-speaking skills will have access to programs to help them learn to understand, speak, read, and write the English language. At the initial enrollment in BISD schools, parents will be asked to complete a Home Language Survey so the school knows whether to take additional steps to be sure the child is properly served. For further information, contact the District ESL Coordinator at (903) 852-2321.

**Gifted and Talented Students:** Some children demonstrate or show a potential for demonstrating a remarkably high level of accomplishment when compared to other children of similar age, experience, or environment. These children may perform at a very high level in an intellectual, creative, or artistic area, show an unusually high capacity for leadership or excel in a particular academic field. Brownsboro High School provides a variety of programs, activities, and learning opportunities for these students. For further information, contact the BHS Counseling Center at (903) 852-2321.



# **CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM AND COURSE GUIDE**

Career and technical education (CTE) is the practice of teaching skills-based careers to students in the school setting developed to introduce the workplace. CTE Programs of Study at Brownsboro ISD offer a sequence of courses that provides students with coherent and rigorous content. Our content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions.



# CTE PROGRAMS OF STUDY

Business and Industry Endorsement	Agriculture Food and Natural Resources				
	Level 1	Level 2	Level 3	Level 4	Certification Opportunities
Animal Science	Principles of Agriculture Food and Natural Resources	Small Animal Management / Equine Science	Livestock Production	Vet Med productions	Equine Management & Evaluation  Elanco Fundamentals of Animal Science
				Advanced Animal	
				Practicum in AFNR Animal Science	
Plant Science	Principles of Agriculture Food and Natural Resources	Landscape Management	Floral Design	Advanced Floral Design	TSFA Knowledge Based, Level 1 & Level 2
				Practicum in AFNR Plant Science	
Agricultural Technology and Mechanical Systems	Principles of Agriculture Food and Natural Resources	Ag Mechanics and Metal Technology	Ag Structures Design & Fabrication	Ag Equipment Design & Fabrication	NCCER Core AWS D1.1 AWS D9.1
				Practicum in AFNR Ag Mech Practicum in AFNR 2 Ag Mech	

Business and Industry Endorsement	Arts, Audio-Video Technology and Communications				
	Level 1	Level 2	Level 3	Level 4	Certification Opportunities
Graphic Design & Interactive Media	Principles of AAVTC	Graphic Design 1	Graphic Design 2	Practicum in Graphic Design & Illustration	Adobe Certified Professional in Graphic Design and Illustration using Adobe Illustrator
	Video Game Design			Career Prep	
GDIM Comm Photo	Principles of AAVTC	Commercial Photo 1	Commercial Photo 2	Practicum of Commercial Photo	Adobe Certified Professional in Visual Design using Adobe Photoshop
Digital Communication	Principles of AAVTC	Audio/Video Production I	Audio/Video Production II	Practicum in Audio/Visual Production	
	Professional Communications				

Business and Industry Endorsement	Hospitality & Tourism				
	Level 1	Level 2	Level 3	Level 4	Certification Opportunities
Culinary Arts	Intro Culinary Arts	Culinary Arts	Advanced Culinary Arts (2 credits)	Practicum in Culinary Arts (2 credits)	Food Protection Manager

<b>Business and Industry Endorsement</b>	<b>Business, Management and Finance</b>				
	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Certification Opportunities</b>
<b>Business Management</b>	Principles of BMF (BJH only)	Business Law	Business Management	Practicum in Business Management	MOS: Microsoft Excel Expert MOS: Microsoft Word Expert MOS: Microsoft Access Expert
	Business Information Management I		Human Resources/ Global Business	Career Prep	

<b>Business and Industry Endorsement</b>	<b>Manufacturing</b>				
	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Certification Opportunities</b>
<b>Robotics &amp; Automation Technology</b>	Principles of Applied Engineering	Robotics I	Robotics II	Practicum in Manufacturing (2 credits)	C-101 CI 4.0 Assoc - Basic C-103 CI 4.0 Assc Robot Systems Operations
				Career Prep	

<b>Public Service Endorsement</b>	<b>Human Services</b>				
	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Certification Opportunities</b>
<b>Family &amp; Community Services</b>	Principles of Human Services	Child Development	Community Service Learning	Practicum in Human Services	Community Service Worker
				Career Prep	

Public Service Endorsement	Health Science				
	Level 1	Level 2	Level 3	Level 4	Certification Opportunities
Diagnostic & Therapeutic Services	Principles of Health Science	Medical Terminology	Anatomy & Physiology	Health Science Theory	Patient Care Technician
Exercise, Wellness & Restoration	Principles of Health Science	Sports Medicine 1	Sports Medicine II	Practicum in Entrepreneurship	Certified Personal Trainer
		Medical Terminology	Anatomy & Physiology	Career Prep	

Business and Industry Endorsement <i>Developing POS</i>	STEM				
	Level 1	Level 2	Level 3	Level 4	Certification Opportunities
Cybersecurity	Principles of Information Technology	Internetworking Technologies I	Internetworking Technologies II	Practicum in Information Technology	TBD

# GENERAL COURSE DESCRIPTIONS

## English Language Arts

### English I, 1 Credit

**Grade Level:** 9

English I is an introduction to a strenuous high school career in English with emphasis on preparation for the STAAR EOC test while developing organizational skills. Production, interpretation, and analysis of Media per state guidelines will be emphasized integrating technology where applicable. Grade 9 English will encompass the study of fiction, nonfiction and poetry. The students will learn to write expository essays such as narrative expository, cause and effect expository, problem and solution expository, and autobiographical narrative. In addition, they will write open ended responses that analyze literary selections. Students will study grammar and vocabulary. All of these students will use the whole language approach, building from the fiction, nonfiction and poetry units.

### English I Honors, 1 Credit

**Grade Level:** 9

**Prerequisites:** See Advanced Placement Program information on page 4

English Honors prepares the student for the Language and Composition Advanced Placement test at the 11<sup>th</sup> grade. World literature serves as the foundation with an intensive study of literary elements, writing devices, writing, research and projects being a part of the course. This class includes an ACT/SAT and EOC focus. Writing includes expository (explanation, definition, how to, cause & effect, problem & solution), narrative (use of story elements) and literary analysis of writing devices as well as comparison /contrast short responses. Dialectical journals as well as oral presentations are a significant part of the writing and speaking aspects of the class. Students are expected to make real world connections and connections with other reading materials. Vocabulary studies include spelling, part of speech, and usage. Visual as well as multiple writing strategies are used to teach vocabulary. Grammar includes punctuation (all varieties), capitalization, verb tenses, active/passive tense, verbals, restrictive/nonrestrictive clauses, phrases, personal/reflective/reciprocal/relative pronouns, sentence types, conjunctions, sentence introductions and spelling rules.

### English II, 1 Credit

**Grade Level:** 10

Literature and vocabulary are interspersed with intensive preparation in reading, composition and usage skills for the required state assessment in this class. Production, interpretation, and analysis of Media per state guidelines will be emphasized integrating technology where applicable. Writing includes literary analysis of writing devices as well as comparison /contrast short responses, persuasive and expository compositions. Vocabulary studies using visual as well as written strategies are included. Grammar includes punctuation (all varieties), capitalization, verb tenses, active/passive tense, participial/participial phrases, gerunds, infinitives, sentence revising and combining, restrictive/nonrestrictive clauses, phrases, pronoun case, sentence variety, conjunctions, sentence introductions and spelling rules.

**English II Honors, 1 Credit****Grade Level:** 10**Prerequisites:** See Advanced Placement Program information on page 4

This course is a continuation of English I Honors. English Honors prepares the student for the Language and Composition Advanced Placement test at the 11<sup>th</sup> grade. World literature serves as the foundation with an intensive study of literary elements, writing devices, writing, research and projects being a part of the course. This class includes an ACT/SAT and EOC focus. Writing includes expository (explanation, definition, how to, cause & effect, problem & solution), narrative (use of story elements, and literary analysis of writing devices as well as comparison /contrast short responses. Dialectical journals as well as oral presentations are a significant part of the writing and speaking aspects of the class. Students are introduced to the AP analysis paper and will write poetry. Poetry is a more intensive study. Students are expected to make real world connections and connections with other reading materials. Vocabulary studies include spelling, part of speech, and usage. Visual as well as multiple writing strategies are used to teach vocabulary. Grammar includes punctuation (all varieties), capitalization, verb tenses, active/passive tense, verbals, restrictive/nonrestrictive clauses, phrases, pronouns case, sentence variety and combining, conjunctions, sentence introductions and spelling rules. Logical progression in writing is a focus.

**English III, 1 Credit****Grade Level:** 11

English III covers a survey of American literature from pre-colonial times to the present. Extensive reading and writing is required with a research paper written during the second semester. There is a focus on the required state assessment with Media analysis and Internet usage. Students focus on reflective writing, persuasive writing and literary analysis. Editing and revising for grammar errors is the focus of grammatical studies. Vocabulary from the reading selections used in vocabulary studies.

**English Language and Composition AP, 1 Credit****Grade Level:** 11**Prerequisites:** See Advanced Placement Program information on page 4

**Notes:** Students may earn college credit with qualifying AP scores. This course will focus on advanced language, composition, and literature. Students will become skilled readers of prose written in a variety of disciplines and rhetorical contexts, and become skilled writers who compose for a variety of purposes, aware of the interactions among a writer's purposes, audience expectations and subjects. Students also develop research skills that enable them to evaluate, use, and cite source material. Students examine and work with essays, letters, speeches, images, and imaginative literature. There is a much more detailed focus on grammar. The AP exam will consist of multiple choice questions about subjects, verbs, as well as other grammar in the readings.

**English IV, 1 Credit****Grade Level:** 12

English IV is a survey of English literature from Anglo-Saxon times to the present. This course includes a study of the history of the English Language with extensive reading and writing being required and a research paper is written during the second semester. Media analysis and Internet usage is also a focus.

**English Literature and Composition AP, 1 Credit****Grade Level:** 12**Prerequisites:** See Advanced Placement Program information on page 4



**Notes:** Students may earn college credit with qualifying AP scores. World/American/British literature serve as the foundation of this course with intensive literary analysis in both the written and oral form being required. Timed writings and readings in the form of released AP tests make up part of the grade. Research is a significant part of the projects. ACT/SAT is also a focus.

### **English IV Dual Credit, 1 Credit**

**Grade Level:** 11 or 12

**Prerequisites:** Meet TVCC admission requirements

**Notes:** English 1301 is a prerequisite for English 1302. Both courses count as college English credit and High School English credit. Students pay tuition and fees to Trinity Valley Community College

#### **English 1301, 0.5 Credit**

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. This class will emphasize effective rhetorical choices, including audience, purpose, arrangement, and style. It will also focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

#### **English 1302, 0.5 Credit**

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. This class will emphasize effective and ethical rhetorical inquiry, including primary and secondary research methods, and critical reading of verbal, visual, and multimedia texts. This class will also focus on systematic evaluation, synthesis, and documentation of information sources; and critical thinking.

### **TSI Prep English, 1 Credit (1 semester)**

**Grade Level:** 12

**Notes:** Students must meet criteria of an educational need.

This course provides an intense overview/review of the basic elements of modern English usage. The course includes writing experience with attention to the basic mechanical and structural elements of the writing process. This course is offered to meet the need for a foundation in grammar and sentence structure.

## **Mathematics**

### **Algebra I, 1 Credit**

**Grade Level:** 9

Algebra I begins the study of functions. Functions represent the systematic dependence of one quantity on another. Students use functions to represent and model problem situations and to analyze and interpret relationships. Students work in many situations to set up equations and inequalities and use a variety of methods to solve them. A variety of representations (concrete, numerical, algorithmic, and graphical), tools, and graphing calculators are used to model mathematical situations and solve meaningful problems. Coursework concentrates on foundations for functions, linear functions, and quadratic and other nonlinear functions. All ninth-grade students who did not take Algebra I in eighth

grade will enroll in this course.

### **Honors Algebra I, 1 Credit**

**Grade Level:** 9

Algebra I begins the study of functions. Functions represent the systematic dependence of one quantity on another. Students use functions to represent and model problem situations and to analyze and interpret relationships. Students work in many situations to set up equations and inequalities and use a variety of methods to solve them. A variety of representations (concrete, numerical, algorithmic, and graphical), tools, and graphing calculators are used to model mathematical situations and solve meaningful problems. Coursework concentrates on foundations for functions, linear functions, and quadratic and other nonlinear functions. In this course, the content is studied in greater depth and may include additional topics.

### **Geometry, 1 Credit**

**Grade Level:** 9-10

**Prerequisites:** Algebra I

Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships having to do with size, shape, location, direction, and orientation of these figures. The students use a variety of representations, tools, and technology to solve meaningful problems by representing figures, transforming figures, analyzing relationships, and proving things about them. Topics will include congruency, similarity, dimensionality, and patterning of all geometric figures.

### **Honors Geometry, 1 Credit**

**Grade Level:** 9-10

**Prerequisites:** Algebra I

Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships having to do with size, shape, location, direction, and orientation of these figures. The students use a variety of representations, tools, and technology to solve meaningful problems by representing figures, transforming figures, analyzing relationships, and proving things about them. Topics will include congruency, similarity, dimensionality, and patterning of all geometric figures. Higher level and critical thinking skills addressed by providing opportunities for discovery and more detailed proof writing. In this course, the content is studied in greater depth and may include additional topics

### **Algebra II, 1 Credit**

**Grade Level:** 10-11

**Prerequisites:** Algebra I and Geometry

Algebra II continues the study of functions that began in Algebra I, utilizing a more sophisticated approach. Students use functions and equations as a means for analyzing and understanding a broad variety of relationships and as a useful tool for expressing generalizations. The course emphasizes the use of equations and functions to represent geometric curves and figures and the connections between algebra and geometry as tools to help solve problems in the other. Functions studied include quadratic and square root, rational, and exponential and logarithmic. Graphing calculators will be used extensively.

### **Honors Algebra II, 1 Credit**

**Grade Level:** 10-11

**Prerequisites:** Algebra I; Geometry

Extends Algebra II curriculum by providing opportunities to solve algebraic problems on a higher level. Algebra II continues the study of functions that began in Algebra I, utilizing a more sophisticated approach. Students use functions and equations as a means for analyzing and understanding a broad variety of relationships and as a useful tool for expressing generalizations. The course emphasizes the use of equations and functions to represent geometric curves and figures and the connections between algebra and geometry as tools to help solve problems in the other. Functions studied include quadratic and square root, rational, and exponential and logarithmic. Graphing calculators will be used extensively.

### **Financial Math, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Algebra I; Geometry; Algebra II

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. This course may count as a core math credit.

### **Pre-Calculus Honors, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Algebra I; Geometry; Algebra II;

In Pre-Calculus, students use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Functions are used to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. Topics include polynomial, rational, radical, exponential, logarithmic, trigonometric, and piecewise-defined functions, sequences and series, parametric representations of conic sections, and vectors. Graphing calculators will be extensively integrated in the coursework. Upon completing this course, students should be well-prepared for taking AP Calculus or most college level mathematics courses.

### **Calculus AP, 1 Credit**

**Grade Level:** 12

**Prerequisites:** Algebra I; Geometry; Algebra II, Pre-Calculus

**Notes:** A graphing calculator is required (TI-83+ or TI-84). Students may earn credit for one semester of college Calculus with qualifying AP exam scores. The course follows the AP outline prescribed by the College Board and, as such, the Calculus AP test given in May for college placement is encouraged. Limits of functions, continuity, and derivatives are studied in detail. Both indefinite and definite integrals are explored, with applications to area and volume. The antiderivative, sequences and series, and differential equations are also included along with analytic geometry.

### **College Algebra Dual Credit, 0.5 Credit (1 semester)**

**Grade Level:** 12

**Prerequisites:** Algebra I; Geometry; Algebra II and Meet TVCC admission requirements

**Notes:** This course counts as college Math 1314 credit and High School math credit. Students pay tuition and fees to Trinity Valley Community College. This class may be used as an advanced measure with a grade of “B” or better for the Distinguished Graduation Plan.

College Algebra Dual Credit will be an in-depth study and application of polynomial, rational, radical, exponential, and logarithmic functions. Systems of equations using matrices, graphing, and algebraic

methods will also be an area of study. The course may include additional topics such as sequences, series, probability, and conics.

### **College Statistics Dual Credit, 0.5 Credit (1 semester)**

**Grade Level:** 12

**Prerequisites:** Algebra I; Geometry; Algebra II and Meet TVCC admission requirements

**Notes:** This course counts as college Math 1342 credit and High School math credit. Students pay tuition and fees to Trinity Valley Community College. This class may be used as an advanced measure with a grade of "B" or better for the Distinguished Graduation Plan.

Statistics Dual Credit will focus on probability. It will also study the collection, analysis, presentation and interpretation of data. The course will additionally cover analysis, which will include descriptive statistics, correlation and regression. Confidence intervals and hypothesis testing will be the major area of focus for the course.

### **Pre-Calculus Dual Credit, 0.5 Credit (1 semester)**

**Grade Level:** 12

**Prerequisites:** Algebra I; Geometry; Algebra II; Pre-Calculus; Meet TVCC Admission Requirements.

**Notes:** Math 2312 counts as a College Math and a High School Math credit as long as the student makes at least a "C" in the class. Students pay tuition and fees to Trinity Valley Community College.

This course provides an in-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Pre-Calculus begins with topics from plane trigonometry including circular functions, solutions of right triangles, graphs, identities, solving trigonometric equations and the use of scientific calculators. Either a programmable or a non-programmable calculator is required.

### **Calculus Dual Credit, 0.5 Credit (1 semester)**

**Grade Level:** 12

**Prerequisites:** Algebra I; Geometry; Algebra II; Pre-Calculus Dual Credit; Meet TVCC Admission Requirements.

**Notes:** Math 2413 counts as a College Math and a High School Math credit as long as the student makes at least a "C" in the class. Students pay tuition and fees to Trinity Valley Community College.

This course studies limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation: applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

### **TSI Prep Math, 1 Credit (1 semester)**

**Grade Level:** 12

**Prerequisite:** Algebra I; Geometry; Algebra II

**Notes:** Students must meet criteria of an educational need.

This is a senior level high school math course that provides an intensive review of secondary advanced Algebra topics. The course will emphasize the basic families of algebraic functions and much of the algebraic manipulation and problem solving found in the study of these algebraic functions. TSI Prep Math will have an expanded use of algebraic topics in preparation for the TSI exam or award student TSI complete in Math.

## Science

### **Biology, 1 Credit**

**Grade Level:** 9

**Prerequisites:** None

Biology I presents a basic understanding of the nature of life through classroom and laboratory study. Cell structure and function, scientific method, basic biochemistry, protein synthesis, and ecology are topics covered as well as a survey of plant and animal kingdoms and heredity concepts. Animal dissections are utilized in conjunction with classroom assignments.

### **Biology Honors, 1 Credit**

**Grade Level:** 9

**Prerequisites:** See Advanced Placement Program information on page 4.

Biology is taught according to the Advanced Placement curriculum with an emphasis on independent study as well as high level and critical thinking skills. This course is strongly suggested as a precursor to future high school AP science courses. As with on-level Biology 1, Biology I Honors presents a basic understanding of the nature of life through classroom and laboratory study. Cell structure and function, scientific method, basic biochemistry, protein synthesis, and ecology are topics covered as well as a survey of plant and animal kingdoms and heredity concepts. Animal dissections are utilized in conjunction with classroom assignments.

### **Integrated Physics and Chemistry, 1 Credit**

**Grade Level:** 10

**Prerequisites:** Principal Approval

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. Emphasis will be placed on the Nature of Science, Scientific Inquiry, Science and Social ethics, systems, and models. Chemistry must be taken the following year to meet graduation requirements.

### **Chemistry, 1 Credit**

**Grade Level:** 10-11

Chemistry is an introductory study of properties and changes in matter. There is special emphasis in this course on classification of matter, chemical shorthand, structure of atoms and compounds, the mole, chemical reactions, solids, liquids, and gasses. A special section on nuclear chemistry is included in this course. Exploration of the interactions of matter in a controlled lab setting is an integral part of this course.

### **Chemistry Honors, 1 Credit**

**Grade Level:** 10

**Prerequisites:** Algebra I; See Advanced Placement Program information on page 4

Chemistry is a college prep course focused on the study of the structure and properties of matter. This course covers the same material as on-level Chemistry but with greater focus on self-guided inquiry, peer discussions, and independent study. Honors Chemistry students are also required to do projects over various topics throughout the school year.

### **Biology AP, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Biology, See Advanced Placement Program information on page 4

**Notes:** Students may earn college credit with qualifying AP scores. Topics covered in the course include, but are not limited to: biochemistry, cell biology, genetics, evolution and natural selection, ecology, taxonomy, and anatomy and physiology. Students will be required to participate in laboratory investigations that include, but are not limited to: various dissections and microscope investigations, DNA testing using gel electrophoresis, genetic manipulation (gene splicing) of non-pathogenic bacterial cells, and observing rates of enzyme reactions. Some labs may need to be performed outside of the normal school hours.

### **Chemistry AP, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Chemistry; See Advanced Placement Program information on page 4

**Notes:** Students may earn college credit with qualifying AP scores. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Topics covered are stoichiometry, thermodynamics, kinetics, mechanics, and atomic theory. This course builds on objectives learned in Chemistry. Quantitative differences appear from the normal high school chemistry class in the number of topics treated, the time spent on the course by students, and the nature and variety of experiments done in the laboratory.

### **Physics, 1 Credit, GPA Level 1**

**Grade Level:** 11-12

**Prerequisites:** None

The emphasis in this course is on concepts governing the behavior of objects in the real world, using logic and mathematical principles. It maximizes the use of lab facilities for hands-on experiments in areas of mechanics, motion, forces, energy, optics, electricity, and magnetism. Strong emphasis is placed on reasoning and critical thinking skills as they apply to the behavior of macroscopic objects.

### **Physics Honors, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** See Advanced Placement Program information on page 4

This is a college level course that explores the physical laws of the universe. Students watch and use common objects and toys (i.e., blocks, balls, rubber bands, toy guns, pendulums, rulers, rockets, lenses, water waves, etc.) in demonstrations and experiments that illustrate the concepts. In addition to these engaging activities, students subject their experiences to rigorous mathematical analysis to prove the scientific laws and make exact predictions.

### **Advanced Animal Science, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Biology and Chemistry, Algebra I and Geometry; small animal management, equine science or livestock production

**Notes:** This course will count as a science credit, and is a Career and Technology Education course. Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

### **Anatomy and Physiology, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Biology and Chemistry

**Notes:** This course counts as a fourth science, and is a Career and Technology Education Course. The Anatomy and Physiology course is designed for students to conduct laboratory investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

### **Forensic Science, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Biology and Chemistry

**Notes:** This course is a Career and Technology Education course. Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. This course satisfies a high school science graduation requirement.

### **Biology Dual Credit, 1 Credit**

**Grade Level:** 12

**Prerequisites:** Biology; Meet TVCC Admission requirements.

**Notes:** Biology 1406 and 1407 count as College Biology and a High School Science credit as long as the student makes at least a "C" in the class. Students pay tuition and fees to Trinity Valley Community College.

#### **BIOLOGY 1406, 0.5 Credit (1 semester)**

In Biology 1406, the fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics and scientific reasoning are included. A laboratory component is included that gives practical experience to material covered in class. A fee for the course and lab applies.

#### **BIOLOGY 1407, 0.5 Credit (1 semester)**

In Biology 1407, the diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. A fee for the course and lab applies.

## **Social Studies**

### **World History, 1 Credit**

**Grade Level:** 9

This course offers an overview of the entire history of humankind. The major emphasis is on the study of significant people, events and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which democratic-republican governments evolved as well as the ideas from historical documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economics. Students use the process of historical inquiry to research, interpret and use multiple sources of evidence.

### **World History, Honors 1 Credit**

**Grade Level:** 9

This course is designed to present students with a broad overview of World History from the Neolithic Revolution to the present. It is meant to build upon the skills learned in previous social studies classes and provide a bridge that will prepare students to take Advanced Placement U.S. History next year if they choose. The goals of the class are to 1) help students understand recurring themes and major events that have shaped the modern world, 2) continue developing historical analysis of both primary and secondary sources, and 3) be able to draw and defend historical conclusions both verbally and in writing.

### **United States History, 1 Credit**

**Grade Level:** 10

This course covers the entire gamut of U.S. History from the Exploration/Colonization period through the modern day. Particular time is spent on the Civil War/ Reconstruction, World Wars I and II, and Vietnam. Students who take this course will be prepared to take the EOC exam which is given in the Spring of each school year. Reading comprehension is essential for this course as there are readings to be done. Writing clear, concise, and pertinent essays will also be a skill that the successful student will cultivate.



**United States History AP, 1 Credit****Grade Level:** 12

**Notes:** Students may earn college credit with qualifying AP scores. This course is a two-semester survey of American history from the age of exploration and discovery to the present. Emphasis is placed on critical and evaluative thinking skills, mastering a significant body of factual information, essay writing, interpreting original documents, and historiography. Students are provided numerous resources which may include graphs, charts, maps, political cartoons, information sheets, articles, websites, and collected materials to examine and study. Topics will include, but are not limited to, life and thought in colonial America, revolutionary ideology, constitutional development, Jeffersonian and Jacksonian democracy, nineteenth-century reform movements, and Manifest Destiny. Other topics include the Civil War and Reconstruction, immigration, industrialism, Populism, Progressivism, World War I, the Jazz Age, the Great Depression, the New Deal, World War II, the Cold War, the post-Cold War era, and the United States at the beginning of the twenty-first century. In addition to the topics listed above, the course will emphasize a series of key themes throughout the year. These themes have been determined by the College Board as essential to a comprehensive study of United States history.

**US History Dual Credit, 1 Credit****Grade Level:** 12**Prerequisites:** Meet TVCC Admission requirements.

**Notes:** History 1301 and 1302 count as college US History and High School US History credits as long as the student makes at least a “C” in the class. Students pay tuition and fees to Trinity Valley Community College.

**US History 1301- (US History to 1877), 0.5 credit (1 semester)**

This course surveys the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

**US History 1302- (US History from 1877), 0.5 credit (1 semester)**

This course surveys the major political, social, cultural, military, economic, constitutional, and intellectual developments of the United States from Reconstruction to the Present. The best way to learn history is to understand why events occurred, not simply to memorize names and dates. So, this course will focus on the various historical interpretations of events and look for patterns of cause and effect. Also, the students will do independent research in history on topics of special interest.

**United States Government, .5 Credit (1 semester)****Grade Level:** 11

US Government provides an opportunity to study the structure and function of American governments at the national, state, and local levels. A complete study of the Legislative, Executive, and Judicial branches is provided along with a study of how the state and federal governments work together. A thorough study of the US and Texas Constitution is provided.

**United States Government AP, .5 Credit (1 semester)****Grade Level:** 11

**Prerequisites:** See Advanced Placement Program information on page 4.

**Notes:** Students may earn college credit with qualifying AP scores. A Fee is required for the exam. AP Government and Politics has an emphasis on constitutional underpinnings of the US Government. Major topics of the course include: Constitutional underpinnings of the United States Government; political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government; public policy; and civil rights and civil liberties. Students successfully completing the course will know important facts, concepts, and theories pertaining to U.S. government and politics.

**United States Government Dual Credit, .5 Credit (1 semester)**

**Grade Level:** 11

**Prerequisites:** Meet TVCC admission requirements

**Notes:** This course counts as college Government 2305 credit and High School Government credit. Students pay tuition and fees to Trinity Valley Community College.

This course focuses on the origin and development of the U.S. Constitution. Additionally, this class covers the structure and powers of the national government including the legislative, executive, and judicial branches.

Students will learn about federalism, political participation, the national election process, public policy, civil liberties, and civil rights.

**Economics/Free Enterprise, .5 Credit,**

**Grade Level:** 11

**Prerequisites:** None

Economics with an emphasis on the Free Enterprise System examines the American economic system examining capitalism and competing economic philosophies such as communism and socialism. A study of taxes, business organizations, government spending, banking operations, factors of production, the stock market, and labor unions is conducted.

**Economics/ Free Enterprise Dual Credit, .5 Credit (1 semester),**

**Grade Level:** 11

**Prerequisites:** Meet TVCC admission requirements

**Notes:** This course counts as college Economics 2301 credit and High School Economics credit. Students pay tuition and fees to Trinity Valley Community College.

In this course, students will analyze the economy including the measurement and determination of Aggregate Demand and Aggregate supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

**Economics and Personal Finance, .5 Credit**

**Grade Level:** 11

**Prerequisites:** None

**Notes:** The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives.

## **Career and Technical Education**

### **Business and Industry Endorsement**

#### **Agriculture, Food and Natural Resources, Architecture and Construction**

##### **Principles of Agriculture, Food and Natural Resources, 1 Credit**

**Grade Level:** 8-9      **CTE Level:** 1

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. This is the foundation class to all other agriculturally related courses.

##### **Equine Science Credit, 0.5 Credit (1 semester)**

**Grade Level:** 9-12      **CTE Level:** 2

**Prerequisite:** Principles of Agriculture, Food and Natural Resources

This course is designed to introduce students to the scientific principles of equine animal systems and to the equine industry. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations

##### **Small Animal Management, 0.5 Credit (1 semester)**

**Grade Level:** 9-12      **CTE Level:** 2

**Prerequisite:** Principles of Agriculture, Food and Natural Resources

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

##### **Livestock Production, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 3

**Prerequisite:** Principles of Agriculture, Food and Natural Resources

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. Students in this class may obtain their Beef Quality Assurance Certification.

##### **Veterinary Medical Applications with Lab, 2 Credits**

**Grade Level:** 11-12      **CTE Level:** 4

**Prerequisites:** equine science, small animal management or livestock production

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. Multiple certifications are available in this course, including pet first aid, veterinary record maintenance, and animal care team certificates. If the student obtains an off school campus clinical site to obtain required hours for the state of Texas, a veterinary technician assistant's certification, this course will supplement those hours; a two period class.

**Advanced Animal Science, 1 Credit****Grade Level:** 11-12      **CTE Level:** 4**Prerequisites:** biology and chemistry, algebra I and geometry; small animal management, equine science or livestock production**Notes:** This class may be counted as an advanced science credit.

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

**Wildlife, Fisheries and Ecology Management, 1 Credit****Grade Level:** 9-12      **CTE Level:** 2

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Students in this class will be given the opportunity to utilize the Texas Outdoors Tomorrow curriculum and obtain their Texas Parks and Wildlife hunter's safety, boater's safety and angler's safety cards.

**Landscape Design and Management, 1 Credit****Grade Level:** 9-11      **CTE Level:** 2

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**Floral Design, 1 Credit****Grade Level:** 9-12      **CTE Level:** 3**Prerequisite:** Principles of Agriculture, Food and Natural Resources**Notes:** This course may count as a Fine Arts credit.

Floral design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgements and evaluations. Students in this class may earn their level 1 Texas State Florists Certification.

**Advanced Floral Design, 1 Credit****Grade Level:** 10-12      **CTE Level:** 4**Prerequisites:** Floral Design with Knowledge Based State Floral Certification

Advanced floral design is a course built upon the framework of skills acquired in the level 1 Floral Design course. Students will develop more intricate and complex floral designs in this one credit, two period course.

**Advanced Plant and Soil Science, 1 Credit****Grade Level:** 11-12      **CTE Level:** 4**Prerequisite:** Biology and Chemistry

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still

applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

**Practicum in AFNR in Floral, 2 credits**

**Grade Level:** 11-12      **CTE Level:** 4

**Prerequisites:** Floral Design with Knowledge Based State Floral Certification

**Agriculture Leadership Research and Communications, 1 credit**

**Grade Level:** 11-12      **CTE Level:** 4

Agricultural Leadership, Research and Communications focuses on challenging students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

**Agriculture Mechanics and Metal Technologies, 1 Credit**

**Grade Level:** 9-12      **CTE Level:** 2

**Prerequisite:** Principles of Agriculture, Food and Natural Resources

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. working techniques.

**Agriculture Structures Design and Fabrication 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 3

**Prerequisite:** Agriculture Mechanics and Metal Technologies

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. For safety considerations, course enrollment may be limited. Prior to enrollment students may be required to satisfy skills/safety based entry requirements.

**Agricultural Equipment Design and Fabrication 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 4

**Prerequisite:** Agriculture Mechanics and Metal Technologies

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. For safety considerations, course enrollment may be limited. Prior to enrollment students may be required to satisfy skills/safety based entry requirements.

**Practicum in Agriculture, Food and Natural Resources focus in Ag. Engineering, Animal Science, or Plant Science 2 Credit**

**Grade Level:** 11-12      **CTE Level:** 4

**Prerequisites:** Minimum of two previous courses in AFNR Program of Study of class requesting.

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster. For safety considerations, course enrollment may be limited. Prior to enrollment students may be required to satisfy skills/safety based entry requirements.

## **Business and Industry Endorsement** **Arts, Audio Visual Technology and Communications**

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

**Grade Level:** 9      **CTE Level:** 1

The goal of this course is that the student understands arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

### **Professional Communications, 0.5 Credit (1 semester)**

**Grade Level:** 9-12      **CTE Level:** 1

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

### **Commercial Photography I, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 2

**Prerequisites:** Principles of Art, Audio/Video Technology and Communication

In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Students may gain certification in Adobe Photoshop.

### **Commercial Photography II, 1 Credit**

**Grade Level:** 11-12      **CTE Level:** 3

**Prerequisites:** Commercial Photography I

In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

**Practicum in Commercial Photography, 2 Credits****Grade Level:** 12      **CTE Level:** 4**Prerequisites:** Commercial Photography II

In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs in conjunction with technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions in this two credit, two period course.

**Video Game Design, 1 Credit****Grade Level:** 9-10      **CTE Level:** 1

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

**Graphic Design and Illustration I, 1 Credit****Grade Level:** 10-12      **CTE Level:** 2**Prerequisites:** Principles of Art, Audio/Video Technology and Communication or Video Game Design

In Graphic Design and Illustration, the knowledge and skills needed for success in the arts, audio/video technology, and communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Projects, such as designing and developing logos, advertisements, and hard copy layouts will be assigned which may require the student to work as an individual and/or in collaborative groups to produce results utilizing graphics arts, technology and equipment. Students may gain certification in Adobe InDesign.

**Graphic Design and Illustration II, 1 Credit****Grade Level:** 11-12      **CTE Level:** 3**Prerequisites:** Graphic Design and Illustration I

Within Graphic Design and Illustration II, students will be expected to develop an advanced understanding of the industry of arts, audio video technology and communication systems with a focus on mastery of content knowledge and skills.

**Practicum in Graphic Design and Illustration, 2 Credits****Grade Level:** 12      **CTE Level:** 4



**Prerequisites:** Graphic Design and Illustration II

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. This is a two credit course offered in a two period time frame.

**Digital Audio I/Bear Radio, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 2

**Prerequisites:** Principles of Art, Audio/Video Technology and Communication

In Digital Audio I, the student will be introduced to the evolution and current trends of the audio industry. The student is expected to summarize the history and evolution of the audio production industry; and analyze the current trends of the audio production industry. Upon completion of the class, the student is expected to be aware of the current practices, and future trends for audio production careers such as radio and television broadcasting, video and film, animation and game design, music production, and live sound. Basic legal and ethical concepts will be covered and students will be graded upon the correct application of knowledge in utilizing audio equipment on BISD's on campus radio station, 94.7 KJBB Bear Radio. Assignments may include but are not limited to producing commercials, announcements, and shows both live and off air.

**Digital Audio II/Bear Radio, 1 Credit**

**Grade Level:** 11-12      **CTE Level:** 3

**Prerequisites:** Digital Audio I

In Digital Audio II, students will be expected to develop an advanced technical understanding of the equipment in use at BISD's on campus radio station, 94.7 KJBB Bear Radio. Projects and assignments will require further mastery and application of skills and knowledge acquired in Digital Audio I.

**Practicum in Digital Audio/Bear Radio, 2 Credits**

**Grade Level:** 12      **CTE Level:** 4

**Prerequisites:** Digital Audio II

The Practicum in Digital Audio is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

**Business and Industry Endorsement**



## **Hospitality and Tourism**

### **Introduction to Culinary Arts, 1 Credit**

**Grade Level:** 9-12      **CTE Level:** 1

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This course is offered as a classroom and laboratory-based course.

### **Culinary Arts, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 2

**Prerequisites:** Intro to Culinary Arts

Fundamentals and principles of the art of cooking and the science of baking are found in this course, and includes management and production skills and techniques. This course is offered in a laboratory-based setting.

### **Advanced Culinary Arts, 2 Credit**

**Grade Level:** 11-12      **CTE Level:** 3

**Prerequisites:** Culinary Arts

Advanced culinary arts is a course offered to students that have gained experience in the culinary arts lab and classroom setting that has prepared them for the aspects of overseeing and maintaining shared duties in the 31 East Restaurant, located at the BHS campus. Students assist in preparing and serving food on a regular basis for staff and special guests on campus. This course is built into a two credit class which may be taught in 1 or 2 period sections.

### **Practicum in Culinary Arts, 2 Credit**

**Grade Level:** 12      **CTE Level:** 4

**Prerequisites:** Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. This class integrates academic and career and technical education; provides interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. It is a two hour, two credit course taught in a two period time frame.

## **Business and Industry Endorsement** **Business Management and Administration**

### **Business Information Management I, 1 Credit**

**Grade Level:** 9-11      **CTE Level:** 1

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business

applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students may gain certification in Microsoft Office programs such as Excel, Outlook, PowerPoint and Word

#### **Global Business 0.5 Credit (1 semester)**

**Grade Level:** 10-12      **CTE Level:** 2

Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

#### **Human Resources, 0.5 Credit (1 semester)**

**Grade Level:** 10-12      **CTE Level:** 2

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

#### **Business Law, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 2

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

#### **Business Management, 1 Credit**

**Grade Level:** 11-12      **CTE Level:** 3

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

#### **Financial Math, 1 Credit**

**Grades:** 11-12      **CTE Level:** 2

**Prerequisites:** Algebra I, Algebra II

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. This course may count as a core math credit.

#### **Accounting I, 1 Credit**

**Grade Level:** 10-12      **CTE Level:** 2

**Prerequisite:** Algebra I

In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and

interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

### **Accounting II, 1 Credit**

**Grade Level:** 11-12      **CTE Level:** 3

**Prerequisite:** Accounting I

In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

### **Practicum in Business Management, 2 Credits**

**Grade Level:** 12      **CTE Level:** 4

**Prerequisite:** 2 courses in the Business Management Program of Study

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

## **Business and Industry Endorsement**

### **Manufacturing**

### **Principles in Applied Engineering (Robotics)**

**Grade Level:** 7-12

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments. This course could potentially be offered separately at both the BJHS and BHS campuses, with both being for high school credit. Seventh grade students may repeat the course in 8th grade, receiving credit one time overall.

### **Robotics I**

**Grade Level:** 9-12

**Prerequisite:** Principles of Applied Engineering

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

### **Robotics II**

**Grade Level:** 10-12

**Prerequisites:** Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

### **Practicum in Manufacturing**

**Grade Level:** 11-12      **CTE Level:** 4

**Prerequisites:** Robotics II

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

## **Public Services Endorsement** **Education and Training/Family and Community Services**

### **Principles of Human Services, 1 credit**

**Grade Level:** 9–12      **CTE Level:** 1

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

### **Child Development, 1 Credit**

**Grade Level:** 10–12      **CTE Level:** 2

**Suggested Prerequisite:** Principles of Human Services

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

### **Community Service Learning, 1 Credit**

**Grade Level:** 10-11      **CTE Level:** 3

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

**Practicum in Human Services, 2 Credits****Grade Level:** 11-12      **CTE Level:** 4**Prerequisites:** Community Service Learning and certification

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**Public Services Endorsement****Health Science****Principles of Health Science, 1 Credit****Grade Level:** 9-12      **CTE Level:** 1

**Notes:** Students that intend to pursue the health science public service endorsement (or certified nurse assistant certification) are recommended to take this class as a foundation course

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

The course focuses on health careers, exploration, leadership development, ethical and legal responsibilities, the history of health care and the economics of health care. Students will develop a concept of health and wellness from the perspective of a health consumer as well as a potential health professional. The course is designed to develop health care specific knowledge and skills in effective communications, client care, safety, first aid, and CPR.

**Medical Terminology, 1 Credit****Grade Level:** 10-12      **CTE Level:** 2**Prerequisites:** Principles of Health Science

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

**Anatomy and Physiology, 1 Credit****Grade Level:** 11-12      **CTE Level:** 3**Prerequisites:** Biology and Chemistry

The Anatomy and Physiology course is designed for students to conduct laboratory experiments,, use scientific methods during and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. (Also, see information listed in the science section.)

**Health Science Theory, 1 Credit****Grade Level:** 12      **CTE Level:** 3**Prerequisites:** Meet TVCC admission requirements and it is recommended that the student complete Principles of Health Science, Biology, Medical Terminology, and Anatomy and Physiology

This course involves clinical rotations in medical environments. Students learn to maintain a safe environment, prevent hazardous situations, follow protocol related to hazardous materials, and follow strategies for the prevention of disease and infections. Students will perform health screenings, monitor examinations, observe clients during care and procedures, and accurately measure and report client vital signs and other indicators of health status. Students must make a minimum of 80% or a “B” on each training activity in order to qualify to take the state certification exam and complete clinical requirements to be a certified nurse’s assistant at the end of the course sequence.

**Sports Medicine I, 1 credit****Grade Level:** 9-10      **CTE Level:** 2

This course provides an opportunity for the study and application of the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, blood borne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

**Sports Medicine II****Grade Level:** 10 - 12      **CTE Level:** 3**Prerequisites:** Sports Medicine I

This course provides a more in-depth study and application of the components of sports medicine including: CPR and AED certification, rehabilitative techniques; therapeutic modalities; prevention, recognition, and care of injuries to the head and face, spine, upper extremity, lower extremity; taping and bandaging; injuries to the young athlete; substance abuse in sports; and general health concerns in sports medicine.

**Career Preparation and College Transition****Career Prep, 2 Credits****Grade Level:** 12      **CTE Level:** 4**Prerequisite:** Must take either the TSIA, ACT or SAT

This career and technology education class consists of two class periods. During the first class period the student is required to attend TEKs based instruction in the classroom setting. The second period of the class allows the student to depart to an approved training site for occupational skills application.

Students are required to obtain and maintain paid employment (at least 10 hours weekly) to be enrolled in this class. Prior to the start of the school year, enrolled students are required to contact the BHS CTE director at (903) 852-2321 to document their employment training plan information. State requirements include the student providing routine documentation of work hours and wages throughout their enrollment in the class.

The Career Preparation I and II courses provide opportunities for students to participate in a self-selected, work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing

workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

## **Visual and Performing Arts**

### **Art**

#### **Art I, 1 Credit**

**Grade Level:** 9-12

**Notes:** Semester 1 must be taken before semester 2, and there is a \$30 fee for supplies.

Art I provides an introduction to the basic principles of art (line, value, texture, color, form, and space). Students explore techniques, media, and tools in designing, drawing, painting, printmaking, sculpture, and ceramics. Along with exploring the different mediums in Art, students will learn problem solving and helps open the heart and mind to fuel their imagination.

#### **Art II, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** Art I

**Notes:** There is a \$30 fee for supplies.

The focus in Art II is on drawing, printmaking, painting, oil pastels, clay masks, clay, and paper sculpture. Principles of art (balance, unity, variety, emphasis, rhythm, and movement) are explored as portfolios are begun. Art II will not only expand the student's experiences in Art, it will encourage open-ended and strategic thinking.

#### **Art III, 1 Credit**

**Grade Level:** 10-12

**Prerequisites:** Art I and II

**Notes:** There is a \$30 fee for supplies.

Art III is an advanced art class with emphasis on painting, printmaking, and three-dimensional projects while developing a student's individual style. Students are encouraged to experiment, invent, and transfer learning from one medium to another. Portfolios are developed and a senior exhibit is required.

#### **Art III Ceramics, 1 Credit**

**Grade Level:** 10-12

**Prerequisites:** Art I and II; Teacher approval

**Notes:** There is a \$35 fee for supplies.

In this class students experiment using the potter's wheel and hand-building (coiling, slab constructions, slump and hump molding, and pinch pots) along with relief tiles. Students will also learn different techniques in glazing. Students in this class will improve their drawing skills, visualizing in 3-D, being creative, and paying attention to details.

#### **Art IV, 1 Credit**

**Grade Level:** 10-12

**Prerequisites:** Art I and II

**Notes:** There is a \$30 fee for supplies.

Art III is an advanced art class with emphasis on painting, printmaking, and three-dimensional projects while developing a student's individual style. Students are encouraged to experiment, invent, and transfer learning from one medium to another. Portfolios are developed and a senior exhibit is required.

## **Dance**

### **Dance I, II, III, IV, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** None

**Notes:** This course counts as 1 credit of fine arts.

Students learn, practice, and perform different aspects of dance. Areas taught are ballet, hip-hop, jazz, drill team, tap/clog, and choreography. The grade is taken from performance plus handouts, notes, and projects.

## **Music**

### **Applied Music I, II, III, IV, 1 Credit Each**

**Grade Level:** 9-12

**Prerequisites:** High School Band or Choir Member; Director approval; Courses must be taken in sequential order

Applied Music 1-4 is for the current high school band or choir member who wishes to excel on his/her performing instrument or voice. It is designed for the students who desire to participate in All-Region, All-Area, and All-State auditions, as well as perform upper level Solo and Ensemble literature. While the major emphasis will be placed on performance, there will be an introduction to Music Theory, Ear Training, and Jazz fundamentals

### **Jazz Ensemble I, II, III, IV, 1 Credit Each, (No GPA Points)**

**Grade Level:** 9-12

**Prerequisites:** High School Band member; Director's approval

**Notes:** None

Jazz band is a full year course. This course is for the current high school band member who wishes to excel on his or her instrument in the jazz style and improvisation.

The major emphasis of the course will be performance. The ensemble will have a separate performance schedule from the high school marching and symphonic bands

## **Band**

### **Band I Fine Arts (semester 1), 0.5 Credit; or Band I PE (semester 1), 0.5 Credit**

**Grade Level:** 9

**Prerequisites:** 8<sup>th</sup> Gr. Band; Director approval

**Notes:** This course counts as 0.5 credit of fine arts or as 0.5 credit of physical education.

### **Band I Fine Arts (semester 2), 0.5 Credit**

**Grade Level:** 9

**Prerequisites:** 8<sup>th</sup> Gr. Band; Director approval

**Notes:** This course counts as 0.5 credit of fine arts.



**Band II Fine Arts (semester 1), 0.5 Credit; or Band II PE (semester 1), 0.5 Credit**

**Grade Level:** 10

**Prerequisites:** Band 1; Director approval

**Notes:** This course counts as 0.5 credit of fine arts or as 0.5 credit of physical education

**Band II Fine Arts (semester 2), 0.5 Credit**

**Grade Level:** 10

**Prerequisites:** Band 1; Director approval

**Notes:** This course counts as 0.5 credit of fine arts.

**Band III, 1 Credit**

**Grade Level:** 11

**Prerequisites:** Band 2; Director approval

**Notes:** This course counts as 1 credit of fine art

**Band IV, 1 Credit**

**Grade Level:** 12

**Band Con't**

**Prerequisites:** Band 3; Director approval

**Notes:** This course counts as 1 credit of fine arts.

Band is a full year course. The first semester is primarily devoted to the marching season. Marching band performs specialized maneuvers that require memorization of music, physical coordination, and a spirit of cooperation during the football game halftime. Students develop a high degree of technical ability and musicianship plus good discipline and a respect for authority. The band competes at various marching contests including, but not limited to, UIL Marching Contest. It also performs in local/community parades. All-Region Band auditions (the first step towards the all-State Band) occur during the first semester. This is a voluntary activity and is primarily for the student that is highly motivated to compete on a very advanced level. In the second semester, the emphasis is placed on stage performance for concert season. A strong emphasis is placed on sight-reading and performing as a symphonic unit. Preparation for UIL concert and Sight Reading Contest is a major thrust. Much time is spent on reaching higher levels of technical ability, sound production, and performing higher grades of music. The students are also given an opportunity to prepare themselves for solo and ensemble contest, also a UIL activity. This activity is also voluntary and is approached by those students having a high degree of interest in music. The students will be expected to spend time outside of the school day in practice and will have to maintain passing grades in all classes to remain eligible. The student is expected to keep his/her instrument, uniform, and music in good condition. The fall semester of band is equivalent to 1/2 of a PE credit. The spring semester of band is equivalent to 1/2 of a fine arts credit. Concerts are a major part of the spring semester, as the band will perform for various groups and organizations.

**Theatre**

**Theatre Arts I, II, III, IV, 1 Credit Each**

**Grade Level:** 9-12

**Prerequisites:** Sequential completion of the courses in order; Theater Arts IV requires completion of Theater Arts III and an audition

**Notes:** Theater Arts IV requires attendance at all BISD performances (at no cost)

The Theater Arts I course presents an overview of theater arts. The first semester concentrates on performing techniques, improvisations, voice, oral interpretation, play interpretation, structure, and performance. Members of this class will produce group/individual improv, pantomime, scene work, and basic stage terminology. The second semester of Theater I will focus on the historical development of drama and its impact on today's theater with emphasis on independent student research. Preparation and perfection of duets, improvisations, and interpretation pieces are part of the ongoing performance opportunities in both semesters.

Theater Arts II-IV are advanced studies in theater arts. Students will review Theater I basics, focus on creating believable characters through characterization, the principles of design for sets, costumes, lighting design and sound design. Research and gain comprehension in important plays and playwrights. They will also produce and practice basic and advanced stage make-up and stage combat. Preparation and perfection of duets, improvisations, and interpretation pieces are part of the ongoing performance opportunities in both semesters.

### **Theatre Productions I, II, III, IV, 1 Credit Each**

**Grade Level:** 9-12

**Prerequisites:** Audition; Approval of Theater Director

Theater Productions I-IV is an audition based class where we mainly focus on our U.I.L. One-Act Play in the Spring, & the Van Theater Arts Festival Competition in the Fall. U.I.L. One-Act Play Company will be cast from this course only. This course is used for auditions, rehearsals, technical work etc. Students are required to audition and have approval for enrollment in the course. Enrolled students are required to stay for scheduled after school practices & performances. Being in the Theater Productions course is much like being on a Varsity sport team. Students that intend to audition for enrollment in this course as an actor or techie, or both, should contact Mrs. Bailey. (baileyv@gobears.go.net) Auditions are held at the end of every school year.

### **Tech Theatre I, II 1 Credit Each**

**Grades(s):** 9-12

Technical Theater I course focuses on beginning stage craft, lighting, sound design, prop construction, & costume/hair & make-up techniques that are the foundation of technical theater. The beginning tech classes will work on projects & Mainstage productions through the year. With this beginning knowledge students will gain confidence and technique needed to become a skilled theater technician.

### **Advanced Tech Theatre II, III, and IV, 1 Credit Each**

**Grades(s):** 10-12

Theater Productions I-IV is an audition based course that focuses on preparation for the U.I.L. One-Act Play in the Spring, & the Van Theater Arts Festival Competition in the Fall. U.I.L. One-Act Play Company will be cast from this course only. Students are required to audition and have approval for enrollment in the course. Enrolled students are required to stay for scheduled after school practices & performances. Being in the Theater Productions class is much like being on a Varsity sport team. Students that intend to audition for enrollment in this course as an actor or techie, or both, should contact Mrs. Bailey. (baileyv@gobears.go.net) Auditions are held at the end of every school year.

## **Debate**

### **Debate I, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** None

**Notes:** Student competition in 3 tournaments is required.

Debate I provides instruction in the fundamentals of formal and informal debate and public speaking. We will explore different forms of oral communication, techniques of argumentation, effective listening, analysis of the audience, and presentation and evaluation of spoken presentations. The course also includes an emphasis on research, outlining, argument structure, speech writing and Parliamentary procedures. Students will participate in Student Congress, Lincoln-Douglas Debate, and other Debate formats during the one-year course.

### **Debate II, 1 Credit**

**Grade Level:** 10-12

**Prerequisites:** Debate I

**Notes:** Competition in at least 6 tournaments is required.

The course focuses on developing increased skills in case development, rebuttal preparation and presentation. It is strongly recommended that students are enrolled in an honors level English class. Writing skills are directly linked to success in debate preparation. Students spend a great deal of time in activities that involve analysis of concepts, problem solving, and synthesis of ideas involving values and policies before oral presentations are actually given. This course does not simply encourage arguing (i.e. shouting opinions) but persuasion through the use of logic, organizational structure and support material.

### **Debate III, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Debate I; Debate II

**Notes:** Competition in at least 6 tournaments is required.

This course expands public speaking and forensic skills learned in Debate II. Students demonstrate an advanced level of skill in selecting and editing quality literature, sharpening research skills, and analyzing current issues. Students polish performances in their chosen area(s) of focus (event) as well as demonstrate an advanced level of skill in the evaluation of their own performances. Students demonstrate and apply an advanced level of skill in diction, articulation, enunciation and projection.

### **Debate IV, 1 Credit**

**Grade Level:** 11-12

**Prerequisites:** Debate I; II; and III

**Notes:** Competition in at least 6 tournaments is required.

This course expands public speaking and forensic skills learned in Debate II. Students demonstrate an advanced level of skill in selecting and editing quality literature, sharpening research skills, and analyzing current issues. Students polish performances in their chosen area(s) of focus (event) as well as demonstrate an advanced level of skill in the evaluation of their own performances. Students demonstrate and apply an advanced level of skill in diction, articulation, enunciation and projection

## **Foreign Language**

### **Spanish I, 1 Credit**

**Grade Level:** 9-11

Spanish I provides a basic knowledge of Spanish grammar in the skills of listening, speaking, reading, and writing with an emphasis on Hispanic culture. Through use of level-appropriate activities, students develop the ability to perform tasks of a novice language learner. Spanish students gain knowledge of cultural practices through hands-on activities.

### **Spanish II, 1 Credit**

**Grade Level:** 10-12

**Prerequisites:** Spanish I

Spanish II emphasizes speaking skills through practice and vocabulary knowledge with continuation of exposure to Hispanic culture. Students develop a greater proficiency in four skills developed in Spanish I. The curriculum offers total immersion opportunities in all skills of the language.

### **Spanish II Honors, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** See Advanced Placement Program information beginning on page 21; Spanish I

Spanish II Honors moves at a much faster pace than regular Spanish II. Advanced skills are enhanced through interactive curriculum, competitive drills, and cultural awareness activities and readings. Spanish II PAP implements Rosetta Stone Level 2 which allows total immersion of students in the language and culture through research projects, and products.

## **Athletics, Health and Physical Education:**

### **Athletics**

**Grade Level:** 9-12

**Notes:** No more than 4 credits of PE or its equivalent will count toward graduation. Dropping Athletics requires coach approval and any student who drops will not be allowed to go to another sport until the season of the sport he/she dropped has been completed. Students not previously enrolled in athletics must have approval from the Athletic Director and the head coach of that sport. Students must be on schedule for graduation to be eligible for varsity sports.

The following sports are offered in Athletics:

#### **Boys**

Baseball	9th, JV, V
Basketball	9 <sup>th</sup> , JV, V
Football	9 <sup>th</sup> , JV, V

*Golf	JV, V
*Track	JV, V
*Powerlifting	V

*Cross Country	JV, V	Soccer	V
*Swimming			

*\*Denotes that a student is not required to be in an athletic period to participate. Contact the Athletic Director for more information*

### **Athletics I, II, III, IV Girls, 1 Credit Each**

**Grade Level:** 9-12

**Notes:** No more than 4 credits of PE or its equivalent will count toward graduation. Dropping Athletics requires coach approval and any student who drops will not be allowed to go to another sport until the season of the sport he/she dropped has been completed. Students not previously enrolled in athletics must have approval from the Athletic Director and the head coach of that sport. Students must be on schedule for graduation to be eligible for varsity sports. Multi-sport athletes must have approval from the first semester coach.

The following sports are offered in Athletics:

#### **Girls**

Softball	JV, V	Golf	JV, V
Basketball	9 <sup>th</sup> , JV, V	Track.	JV, V
Volleyball	9 <sup>th</sup> , JV, V	Powerlifting	V
Cross Country	JV, V	Soccer	V
Cross Country	JV, V		
Swimming			

*\*Denotes that a student is not required to be in an athletic period to participate. Contact the Athletic Director for more information*

### **Sports Medicine I, 1 credit**

**Grade Level:** 9-10

This course provides an opportunity for the study and application of the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, blood borne pathogens, thermal injuries, and special medical concerns of the adolescent athlete. This class is the first year of the Athletic Training Program.

### **Sports Medicine II, 1 credit**

**Grade Level:** 10-12

**Prerequisites:** Sports Medicine I

This course provides a more in-depth study and application of the components of sports medicine including: CPR and AED certification, rehabilitative techniques; therapeutic modalities; prevention, recognition, and care of injuries to the head and face, spine, upper extremity, lower extremity; taping



and bandaging; injuries to the young athlete; substance abuse in sports; and general health concerns in sports medicine.

### **Athletic Training I, II, III, IV 1 Credit Each**

**Grade Level:** 9-12

**Prerequisites:** Teacher approval, and sequential completion of the athletic training courses

**Notes:** This course is a physical education equivalent but is not a substitute for a health course. In this class, students work with the athletic trainer.

### **Cheerleading, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** Must be selected to squad in year prior

This is a full year course. The course may count as a required PE credit. Students must remain in good standing on the team to remain in the course.

### **Drill Team, 1 Credit**

**Grade Level:** 9-12

**Prerequisites:** Must be selected to squad in year prior

This is a full year course. The course may count as a required PE credit. Students must remain in good standing on the team to remain in the course.

## **Physical Education**

### **Dance/Physical Education, 1 Credit**

**Grade Level:** 9-12

**Notes:** This dance class meets the physical education requirement.

Students learn, practice, and perform different aspects of dance. Areas taught are ballet, hip-hop, jazz, drill team, tap/clog, and choreography. The grade is taken from performance plus handouts, notes, and projects.

### **Physical Education I, 1 Credit**

**Grade Level:** 9-12

**Notes:** One credit of physical education or a physical education equivalent is required.

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Physical Education I includes basic conditioning, individual appraisal of student's fitness level, and teaching of skills necessary to participate in various team and individual sports.

