



# Freshmen

Course Description Handbook and Educational Planning Guide

## 2014-2015



Boswell High School  
5805 W. Bailey Boswell Rd.  
Fort Worth, TX 76179  
817.237.3314



Chisholm Trail High School  
3100 NW College Dr.  
Fort Worth, TX 76179  
817.232.7112



Saginaw High School  
800 N. Blue Mound Rd.  
Saginaw, TX 76131  
817.306.0914



Watson High School  
5901 Hereford Dr.  
Fort Worth, TX 76179  
817.238.7925



Eagle Mountain-Saginaw Independent School District  
1200 Old Decatur Road | Fort Worth, TX 76179 | 817.232.0880  
[www.emsisd.com](http://www.emsisd.com)

# Table of Contents

<b>Letter from the Superintendent</b>	<b>2</b>	<b>Elective Courses</b>	
<b>Board of Trustees and Administration</b>	<b>3</b>	<b>AVID</b>	<b>33</b>
<b>Mission Statement</b>	<b>4</b>	<b>Athletics</b>	<b>34</b>
<b>Public Notification of Nondiscrimination for All Children with Disabilities</b>	<b>4</b>	<b>Career and Technical Education:</b>	
<b>General Information</b>		<b>Agriculture, Food, and Natural Resources</b>	<b>35</b>
<b>Advanced Academics</b>	<b>4</b>	<b>Architecture and Construction</b>	<b>37</b>
<b>Advanced Placement</b>	<b>4</b>	<b>Arts, A/V Technology &amp; Communication</b>	<b>38</b>
<b>Dual Credit</b>	<b>5</b>	<b>Business Management and Administration</b>	<b>40</b>
<b>Automatic College Admission</b>	<b>5</b>	<b>Education and Training</b>	<b>41</b>
<b>Career and Technical Education (CTE)</b>	<b>6</b>	<b>Finance</b>	<b>43</b>
<b>Class Rank and GPA</b>	<b>6</b>	<b>Health Science</b>	<b>44</b>
<b>Classification Credit</b>	<b>6</b>	<b>Hospitality and Tourism</b>	<b>46</b>
<b>College Entrance Exams</b>	<b>6</b>	<b>Human Services</b>	<b>47</b>
<b>Course Credit Options</b>	<b>7</b>	<b>Information Technology</b>	<b>48</b>
<b>Early Graduation</b>	<b>7</b>	<b>Law, Public Safety, Corrections and Security</b>	<b>49</b>
<b>Graduation Requirements</b>	<b>7</b>	<b>Manufacturing</b>	<b>52</b>
<b>Local Credits</b>	<b>7</b>	<b>Science, Technology, Engineering and Mathematics (STEM)</b>	<b>53</b>
<b>Parent and Student Information Regarding Schedule Change Process</b>	<b>8</b>	<b>Transportation Distribution and Logistics</b>	<b>55</b>
<b>Prerequisites</b>	<b>8</b>	<b>Communications</b>	<b>57</b>
<b>Testing</b>	<b>8</b>	<b>Fine Arts:</b>	
<b>Transfer Students</b>	<b>8</b>	<b>Art</b>	<b>58</b>
<b>Physical Education Credits/ Substitutions</b>	<b>9</b>	<b>Dance</b>	<b>61</b>
<b>Your Educational and Career Planning Guide</b>	<b>10</b>	<b>Music (Choral/Instrumental)</b>	<b>62</b>
		<b>Theatre</b>	<b>64</b>
<b>Core Subject Areas</b>		<b>Health/Physical Education</b>	<b>66</b>
<b>English Language Arts</b>	<b>13</b>	<b>Journalism</b>	<b>68</b>
<b>Mathematics</b>	<b>17</b>	<b>Languages Other Than English</b>	<b>69</b>
<b>Science</b>	<b>22</b>	<b>Military Science (ROTC)</b>	<b>73</b>
<b>Social Studies</b>	<b>27</b>	<b>Other Electives</b>	<b>74</b>
		<b>Technology Applications</b>	<b>75</b>
		<b>Sample Endorsements</b>	<b>76</b>



Dear EM-S ISD Student and Parents:

We are proud to present the 2014-2015 Academic Course Planning Guide, which includes graduation requirements, course descriptions, and other general information needed for your informed decision-making process.

The mission of Eagle Mountain-Saginaw Independent School District is to foster a **culture of excellence that instills a passion for a lifetime of continuous achievement in every student**. Creating a successful future for every student in our district is a result of the combined efforts of students, school personnel and parents. Through the course selection process, you have the opportunity to create your own success by carefully selecting your classes since these choices will influence your future.

One of the District's Core Beliefs is, "**Every student is a unique individual with unique potential**". Because of your uniqueness, you have diverse interests and different aspirations, motivating each of you to make different choices. As you make the choices that will impact your future, consider your own personal likes as well as your strengths. These course choices should reflect your wants and needs as a student and the future you are preparing for beginning at the high school level.

A rigorous course load is a predictor of success as you move into a college environment in the near future. Therefore, we encourage all students to consider taking one or more AP classes as well as trying different courses that define your areas of interest. The course choices are many including pre-AP/AP classes, a wide range of career and technology classes, and many co-curricular courses including athletics and fine arts. With careful planning, students may graduate as an AP Scholar or with an industry-recognized certification. Please review your options carefully, discuss these options with your parents, and ask questions of our counselors.

It is our desire for each student to be well-rounded; therefore, we encourage you to balance class loads as well as become involved in extra-curricular opportunities as an important component in your personal development in high school. This process need not be overwhelming, but one that is taken very seriously. We hope to see each of our students fulfill the District's Strategic Objective of "**Each student will be challenged to fulfill the district's high expectations and leave the district prepared and qualified to succeed in their chosen path(s)**."

I wish you success in your planning efforts.

Sincerely,

Jim F. Chadwell, Ed.D.  
Superintendent

# ***Eagle Mountain–Saginaw Independent School District***

## ***Board of Trustees***

*Steven G. Newcom, President*

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*Donna Webb, Secretary*

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## ***Administration***

*Dr. Jim Chadwell, Superintendent of Schools*

*Dr. Lowell Strike, Deputy Superintendent*

*Darrell Brown, Chief Learning Officer*

## Public Notification of Nondiscrimination in Education for All Children with Disabilities

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) requires that Eagle Mountain-Saginaw Independent School District not discriminate on the basis of handicap in any district program or activity. The district will identify, evaluate and provide an appropriate public education to students who are handicapped under Section 504, including homeless children.

La Seccion 504 de la Ley de Rehabilitacion, de 1973, y la Ley de Americanos con Impedimentos (ADA) requieren que el DISTRITO ESCOLAR INDEPENDIENTE de EAGLE MOUNTAIN-SAGINAW no discrimine basandose en impedimentos, en ningun programa o actividad del distrito. El distrito identificara, evaluara y ofrecera una educacion publica adecuada a los estudiantes con impedimento, de acuerdo con la Seccion 504, incluyendo a los ninos sin hogar.

**It is the policy of Eagle Mountain-Saginaw ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its Career and Technical (vocational) programs, services or activities as required by Title VI of the civil rights act of 1964, as amended: Title IX of the education amendments of 1972: and section 504 of the rehabilitation act of 1973, as amended.**

## Mission Statement

The mission of Eagle Mountain-Saginaw Independent School District is to foster a **culture of excellence** that instills a **passion for a lifetime of continuous achievement** in every student.

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## General Information

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### Advanced Academics Program

Texas believes a strong education is the foundation to our children's future. According to the Texas Education Agency, it is vital that our students have every opportunity to excel academically through rigorous and challenging courses. Colleges recognize the role a rigorous high school curriculum plays in preparing students for college success. Accordingly, the National Association for College Admission Counseling's 2006 survey of college admissions officers showed **the most important factor** in college admissions is student success in the most challenging high school courses available.

#### Advanced Placement

Courses offered through the College Board's Advancement Program enable Texas students to pursue college level coursework while still in high school. Based on AP Exam performance, students can gain college admission, earn scholarship awards, earn credit toward a college degree, skip introductory college classes, enter higher-level classes, and/or fulfill general college educational requirements, depending on the college or university.

Eagle Mountain-Saginaw ISD supports the College Board's commitment to the principle that all students who are willing to accept the challenge of a rigorous coursework provided through a college-level curriculum deserve an opportunity to participate in AP courses. Our high schools offer a variety of Advanced Placement Courses. All Pre-AP and AP classes require extra time on the part of students for class preparation, outside reading and/or labs, and completion of assignments. Also, it is the expectation that students who take AP Classes will take AP exams. (Note: Some colleges and universities will not attach value to a high school course labeled AP unless an AP Exam grade is also presented for that course.) Complete course descriptions and practice exam questions can be accessed at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

Eagle Mountain-Saginaw ISD offers the following AP courses:

English Language and Composition	European History
English Literature and Composition	United States Government and Politics
Calculus AB	Macroeconomics
Calculus BC	Psychology
AP Statistics	Art-Studio Art
Biology	Art-2-D Design
Chemistry	Music Theory
Physics 1	French Language
Physics 2	German Language
Environmental Science	Spanish Language
Human Geography	Spanish Literature
World History	Computer Science
United States History	

### Dual Credit

A student may enroll in academic and/or technical courses for college credit before they graduate from high school. Students receive both high school and college credit upon successful completion of these courses. Grades earned will be used in calculating grade point averages and class rank. To qualify, a student must....

- Obtain permission from the high school.
- Enroll at the college/university offering the course(s).
- Meet the entrance requirements of the college/university including the required placement exams.

Dual Credit Opportunities with Tarrant County College Offered on High School Campuses:

High School Course Equivalent	College Course(s)	College Credit
English IV	ENGL 1301, 1302	12
United States History	HIST 1301 & 1302	6
United States Government	GOVT 2305	3
Principles of Economics	ECON 2301	3
Advanced Aircraft Technology	Year 1 AERM 1310, 1314, 1303 & 1315 Year 2 AERM 1345 & 1349	18
Business Information Management II	BCIS 1405	4
Practicum in Health Science/ Emergency Medical Technician	EMSP 1501 & 1160	6
Fire Fighter I	FIRT 1301	3

Students may also take dual credit courses on the college campus or online. Prior approval is required. Contact the Counseling Department for more information.

### Concurrent Enrollment

Upon approval from the principal, a student may enroll in a college-level course for college credit only.

## Automatic College Admission (Top 10% Rule)

In accordance with Texas Education Code (TEC), §51.803, a student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the **top 10 percent** of the student's high school graduating class, or the **top 7 percent** of eligible 2014 summer/fall freshman applicants for admission to the University of Texas at Austin, and the applicant:

- 1) successfully completed the requirements for the EM-S ISD Distinguished Achievement Plan;
- 2) satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows.

- 1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- 2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- 3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific number total class size.
- 4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

### To qualify for automatic admission an applicant must:

- 1) submit an application before the deadline established by the college or university to which the student seeks admission; and
- 2) provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of the EM-S ISD Distinguished Achievement Plan that was available to the them.

Colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college-level grade point average and performance on standardized tests.

## Career and Technical Education (CTE)

The Eagle Mountain-Saginaw ISD Career and Technical Education Program will provide learning opportunities that incorporate rigorous academic study with an emphasis on career preparation through applied learning. It is our goal as educators to develop students into lifelong learners who are prepared to attain maximum potential in post-secondary education while being able to successfully enter a desired career field. The primary purpose of the CTE Program is to ensure that each student will develop his or her full potential for continued learning, career success, and productive citizenship.

## Class Rank and GPA

The following class ranking requirements **apply to students who entered grade 9 in the 2007–08 through 2012-2013 school years:**

- The District shall include in the calculation of class rank grades earned in all high school credit courses regardless of when the credit was earned, unless excluded below.
- The calculation of class rank shall exclude grades earned in or by a local credit course, physical education credits awarded by alternative sources, or courses taken as Pass/Fail.
- Eligible **Advanced Placement (AP) and Pre-AP courses** in the course description handbook shall be categorized and weighted as Advanced courses and **will receive ten extra points** toward GPA.

The following class ranking requirements apply to students who enter grade 9 beginning in the 2013–14 school year:

- The District shall include in the calculation of class rank grades earned in all high school credit courses regardless of when the credit was earned, unless excluded below.
- The calculation of class rank shall exclude grades earned in or by a local credit course, physical education credits awarded by alternative sources, or courses taken as Pass/Fail.
- Eligible **AP courses** designated in the course description handbook shall be categorized as Level 3 courses and **will receive ten extra points** toward GPA.
- Eligible **Pre-AP courses and dual credit courses** designated in the course description handbook shall be categorized and weighted as Level 2 courses and will receive **five extra points** toward GPA.
- All other eligible shall be categorized as Level 1 and will receive no extra points toward GPA.

## Classification Credit

Students are classified according to the number of credits they have earned and their year in high school. Required classification credits are listed below.

<b>Freshman</b>	<b>Promotion from 8th grade</b>
<b>Sophomore</b>	<b>5.5 to 11.5 credits</b>
<b>Junior</b>	<b>12 to 18.5 credits</b>
<b>Senior</b>	<b>19 plus credits</b>

## College Entrance Examinations

Since college entrance exams are required at many colleges and universities, the student planning to go to college is encouraged to take the following tests: (It is recommended that English III and Algebra II be completed before taking any college entrance exam.)

1. **National Merit Scholarship Qualifying Test (PSAT-NMSQT):** This test is designed to aid Sophomores and Juniors in estimating their ability to do college level work and to guide them in making college plans. It is sometimes used by industries and universities for scholarship purposes. National Merit Scholarship recipients are determined from the scores acquired from the PSAT taken during their junior year.
2. **ACT and/or SAT:** The ACT and/or SAT exams are a system of testing prospective college students for the purpose of admission and counseling. The student should find out which test is required or preferred by the institution. These tests are administered at the high schools several times during the year. Each of these tests has a required fee that must be paid at the time of registration. Registration information is available on line at [www.collegeboard.com](http://www.collegeboard.com) or [www.act.org](http://www.act.org).

## Course Credit Options

### Credit by Exam for Acceleration

Prior approval to take a credit by exam must be obtained through the counseling office. A student may earn credit for certain courses in which they have had *no prior instruction* by scoring a grade of 80 or above on an examination for acceleration and meeting other eligibility requirements. Testing fees may apply. See your counselor for further information on requirements and procedures.

### Credit by Exam for Credit Recovery

Prior approval to take a credit by exam must be obtained through the counseling office. For courses where credit was denied because of grade or excessive absences, a student may earn credit toward graduation by scoring a grade of 80 or above on the exam. A fee is charged for the testing. See your counselor for further information on requirements and procedures.

### Correspondence Courses

**Prior approval to enroll in a correspondence course must be obtained through an application available in the counseling center.** A student may be enrolled in only one correspondence course at a time unless special circumstances warrant with principal approval. See your counselor for further information and special requirements for students wishing to graduate using correspondence course work.

## Early Graduation

Early graduation may be granted by the principal/principal's designee upon recommendation of the high school counselors. An Early Graduation Agreement must be signed and filed **prior to the beginning of the junior year for three-year graduates and prior to the beginning of the senior year for mid-term graduates.** Students planning to graduate in three years will only be promoted to a higher grade level upon completion of the early graduation application process and accumulation of a minimum of 19 credits. Students who wish to graduate early must complete all graduation requirements.

## Grade Reporting

A student must be present 90% of the days in each class during a semester. Numerical scores are used to report grades and a minimum grade average of 70 is required for receiving credit.

## Graduation Requirements

For students entering high school in 2011-2012 and after, the State of Texas Assessments of Academic Readiness (STAAR™) have replaced the Texas Assessment of Knowledge and Skills (TAKS). STAAR™ includes 5 end-of-course (EOC) course assessments.

Only those senior students who have completed all requirements for graduation may participate in the graduation exercise. Senate Bill 673 from the 80<sup>th</sup> Texas Legislature ensures that students who receive special education services but who have not yet completed the requirements of their IEPs have the opportunity to participate in a graduation ceremony upon completion of four years of high school.

## Graduation Requirements for Students Entering High School in 2011 and After

	Foundation Plan with endorsements	EM-S ISD Distinguished Achievement Program w/ endorsements
English	4.0	4.0
Mathematics	3.0	4.0
Science	3.0	4.0
Social Studies	3.0	3.0
Fine Arts	1.0	1.0
LOTE	2.0	2.0
Physical Education	1.0	1.0
Electives	5.0	3.0
Endorsement	4.0	4.0
TOTAL CREDITS	26	26

## Local Credits

Some courses offered are not among the state approved courses and will receive local credit. Local credits do not count as credit toward graduation.



## Parent and Student Information Regarding the Schedule Change Process

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to plan and to hire for optimum academic strength.

When students are permitted to randomly change schedules, classes become overcrowded. Very seldom does a change affect only one course. Careful selections benefit everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

### Registration

- Parent and student informational meetings will be held during registration.
- Students will be guided through the course selection process.
- Students who do not submit a registration form will have a schedule arranged for them by their counselor according to their academic needs and graduation plan.

### Add/Drop Date

- **June 15th** for high school will officially end the opportunity for schedule changes.
- Only schedule changes pertaining to graduation plans, level changes and/or computer errors will be addressed during the following school year.

## Prerequisites

In accordance with TEC Chapter 74 Subchapter G, students who enter high school in 2012-2013 and beyond may not be enrolled in a course that has a required prerequisite unless the student has successfully completed the prerequisite course(s) or a person with knowledge (teacher/administrator/counselor) of the student decides the student is able to take selected course.

## Testing

### STAAR

For students entering high school first year freshman and after, the State of Texas Assessments of Academic Readiness (STAAR™) will replace the Texas Assessment of Knowledge and Skills (TAKS). STAAR™ includes 5 end-of-course (EOC) course assessments: Algebra I, English I, English II, biology, and U.S. History. In order to graduate, students must pass all 5 exams.

Assessment Window December 1-5	Retests
April 7 (Tuesday)	English I
April 8 (Wednesday)	English II
April 10 (Friday)	All make-up sessions for STAAR assessments must be completed by the
Assessment Window May 4-8	Algebra I, Biology, U.S. History and Retests
Assessment Window July 7-10	Retests

### PSAT/NMSQT

This test is designed to test the verbal and mathematical skills of students. National Merit Scholarship opportunities may be available if the student's junior level scores qualify him/her to be a finalist. This test is given in October each year.

### ACT

The ACT assessment is a general standardized college admissions test and is accepted by most colleges and universities. Students should plan to take this test in the spring of their junior year.

### SAT

The SAT is a college admissions test that measures mathematical problem-solving, critical reading, and writing skills. Each section is reported on a scale of 200 – 800 points. Students should take this test no sooner than the spring of their junior year.

**\*Students should contact their college of choice regarding required placement exams.**

### Advanced Placement Examinations (AP)

These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found on [www.collegeboard.com](http://www.collegeboard.com).

### ASVAB

The Armed Services Vocational Aptitude Battery is available to students in grades 10-12. It measures aptitudes and abilities and relates them to specific occupations in civilian and military life.

## Transfer Students

Out of state transfer students must complete all state graduation requirements to be eligible for a Texas (Eagle Mountain-Saginaw I.S.D.) diploma.

Incoming transfer credits toward graduation will be accepted from accredited public schools, state accredited home school organizations and from private or parochial schools accredited by an association recognized by the Texas Commissioner of Education.

## Physical Education Credits/Substitutions

One unit of P.E. is required of all students for graduation. The following activities may be used to substitute for the one unit of required PE: drill team, marching band, cheerleading, athletics and off-campus physical education.

Specific credit information regarding athletics, physical Education, CTE and fine arts credits and substitutions is addressed below:

### **Athletics:**

Students in athletics may receive up to 4 state physical education substitution credits.

### **Cheerleading:**

Cheerleaders enrolled in a cheer class may be awarded

1 credit of athletics (gymnastics) per year (.5 per semester) up to 4 physical education credits.

(Cheerleaders enrolled in the class will not be eligible to receive substitution credit as listed below.)

Cheerleaders not in the cheer class may be awarded up to 1 physical education substitution credit (.5 credit awarded fall only) for extracurricular (after school) activity.

### **Dance:**

Dance satisfies the state fine arts graduation requirement.

Beginning in 2011-2012 students in Dance 1 will get credit for dance (fine art) and for aerobic activities (physical education).

**Awarding of the aerobic activities credit is dependent upon teacher certification in both physical education and fine arts and is subject to change.**

### **Drill Team:**

Students in drill team may receive up to 4 credits of fine arts as well as .5 course credits in the fall toward their physical education requirement up to 1 state credit as part of their extracurricular (after school) activity.

A student in drill team may accrue the following credits:

1<sup>st</sup> Time Taken- Dance I plus .5 Physical Education Substitution Credit (fall only)

2<sup>nd</sup> Time Taken- Dance II plus .5 Physical

Education Substitution Credit (fall only)

3<sup>rd</sup> Time Taken- Dance III

4<sup>th</sup> Time Taken- Dance IV

Total Credits Possible:

4 Fine Arts Credits + 1 Physical Education Credit = 5

Students in their 3<sup>rd</sup> or 4<sup>th</sup> year of drill team who have not previously been awarded physical education substitution credit may also accrue up to 1 physical education substitution credit toward graduation. (.5 credit awarded fall only)

### **Marching Band:**

Students in marching band may receive up to 4 credits of fine arts as well as .5 course credits in the fall toward their physical education requirement up to 1 state credit as part of their extracurricular (after school) activity.

A student in band may accrue the following credits:

1<sup>st</sup> Time Taken- Music I Band plus .5 Physical Education Substitution Credit (fall only)

2<sup>nd</sup> Time Taken- Music II Band plus .5 Physical Education Substitution Credit (fall only)

3<sup>rd</sup> Time Taken- Music III Band

4<sup>th</sup> Time Taken- Music IV Band

Total Credits Possible:

4 Fine Arts Credits + 1 Physical Education Credit = 5

Students in their 3<sup>rd</sup> or 4<sup>th</sup> year of band who have not previously been awarded physical education substitution credit may also accrue up to 1 physical education credit toward graduation. (.5 credit awarded fall only)

### **Physical Education:**

A student may not receive credit for a specific physical education course more than once.

Students may earn a maximum of 4 state physical education credits through any combination of physical education courses and/or substitutions.

### **Reserve Officer Training Corps I:**

Students in ROTC I receive 1 physical education substitution credit for the course.

# *Your Educational and Career Planning Guide*

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## *College and Career Readiness*



The career clusters icons above are used with permission of the States' Career Clusters Initiative, 2007. For more information, visit [www.careerclusters.org](http://www.careerclusters.org).

## Planning Timeline

### 9<sup>th</sup> and 10<sup>th</sup> Grades

- Analyze your interests and abilities – make the connection with possible careers. Talk to your counselor about the ASVAB program to discover your interest areas and possible careers.
- Join extra-curricular activities which help develop teamwork, leadership and responsibility.
- Talk to your parents about future plans and concerns.
- Struggling with a subject? Ask for additional help from your teacher, counselor or a tutor.
- Take challenging courses – make the most of your high school classes. Explore AP, College courses or Tech Prep courses.
- Investigate various types of post-secondary education possibilities.
- Research financial aid opportunities and resources—scholarships, grants, loans, work study.
- Sign up for pre-college assessment opportunities such as PLAN or PSAT.

### 11<sup>th</sup> and 12<sup>th</sup> Grades

- Register by deadlines for college entrance exams required by the schools you are interested in attending (usually in fall and spring of junior year and fall of senior year).
- Attend a job fair and/or college fair.
- Take the ASVAB Interest Inventory.
- Focus on several choices of schools.
- Engage in community service or volunteerism.
- Visit/read about post-secondary options that interest you.
- Attend a financial aid night and/or college night with your parents.
- Send college admissions applications on time to three-four schools,
- Obtain financial aid forms from schools you are considering attending. Be sure to complete and return the forms by January 1st of your senior year.
- Visit the US Department of Education website ([www.ed.gov/pubs](http://www.ed.gov/pubs)) for complete listings of free financial aid brochures and information packets.

## Help for College Readiness and Success

For information see link on your High School Counseling Department webpage.

## Toward Excellence, Access & Success

### (TEXAS) Grant Program

[www.collegefortexans.com](http://www.collegefortexans.com)

#### Program Purpose

The Texas Legislature established the TEXAS (Towards Excellence, Access and Success) Grant to make sure that well-prepared high school graduates with financial need could go to college.

## Programs of Study for the 16 Career Clusters

Programs of Study for the 16 Career Clusters are available at <http://www.achievetexas.org>. These programs of study are designed for students but can also be used with administrators, counselors, teachers, business and industry representatives, and parents. Programs of Study contain a lot of helpful information, including the core courses and career-related electives in high school that will help prepare students for their career goals. The Programs of Study are based upon the State of Texas Recommended High School Graduation Plan and can easily be adapted for the Distinguished Achievement High School Graduation Plan.

## Sarah Hollenstein Career and Technology Center (HCTC)



Classes at The Hollenstein Career and Technology Center (HCTC) equip students with the skills needed for 21st century professional careers through an innovative, visionary approach to education in a state-of-the-art facility. The HCTC hosts 10 academies that incorporate rigorous academic study with an emphasis on career preparation through applied learning.



# GRADUATION REQUIREMENTS

FOR STUDENTS ENTERING HIGH SCHOOL 2014-2015 AND AFTER

## Foundation Plan w/ Endorsements:

DEPARTMENT	# OF CREDITS	CLASSES
ENGLISH	4.0	English 1, English 2, English 3, Advanced English Course
MATH	3.0	Algebra 1, Geometry, Advanced Mathematics Course
SCIENCE	3.0	Biology, IPC or Advanced Science Course, Advanced Science Course
SOCIAL STUDIES	3.0	U.S. History, U.S. Government (1/2 credit), Economics (1/2 credit), World Geography or World History or Combined World History/World Geography
PHYSICAL EDUCATION	1.0	P.E., Athletics, ROTC, Drill Team, Cheerleading, Band
LANGUAGES OTHER THAN ENGLISH	2.0	2 Levels of the Same Language or Computer Programming language
FINE ARTS	1.0	Art, Dance, Music, Theatre
ELECTIVES	5.0	
ENDORSEMENTS	4.0	
	<b>26 Total</b>	

## EM-S ISD Distinguished Achievement Plan:

DEPARTMENT	# OF CREDITS	CLASSES
ENGLISH	4.0	English 1, English 2, English 3, Advanced English Course
MATH	4.0	Algebra 1, Geometry, Algebra 2, Advanced Math Course
SCIENCE	4.0	Biology, Chemistry, Physics, Advanced Science Course
SOCIAL STUDIES	3.0	U.S. History, U.S. Government (1/2 credit), Economics (1/2 credit), World Geography or World History or Combined World History/World Geography
PHYSICAL EDUCATION	1.0	P.E. , Athletics, ROTC, Drill Team, Cheerleading, Band
LANGUAGES OTHER THAN ENGLISH	2.0	2 Levels of the Same Language or Computer Programming language
FINE ARTS	1.0	Art, Dance, Music, Theatre
ELECTIVES	3.0	
ENDORSEMENTS	4.0	
	<b>26 Total</b>	

## English Language Arts

Course Name	Credits	Grade Levels	Prerequisites
English I	1	9	None
English I Pre-AP	1	9	See Suggested Guidelines
English II	1	10	None
English II Pre-AP	1	10	(English I Pre-AP Recommended) See Suggested Guidelines
English III	1	11	None
English III AP	1	11	(English II Pre-AP Recommended) See Suggested Guidelines
English IV	1	12	None
English IV AP	1	12	(English III AP Recommended) See Suggested Guidelines
English IV Dual Credit (English 1301 & 1302)	1	12	TCC Admissions Standards
English I for Speakers of Other Languages	1.0	9-12	LPAC Committee Placement
English II for Speakers of Other Languages	1.0	10-12	LPAC Committee Placement
Creative/Imaginative Writing	.5	10-12	None
Practical Writing Skills (English Language Learners and Watson Learning Center Only)	.5-1	9-12	None

### Suggested Guidelines for Pre-Advanced Placement and Advanced Placement English

- Successful completion of English courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed STAAR

**These suggested guidelines are designed to aid the student in choosing the course in which he/she will be most successful.**

### English I

**Course:** 1010

**Grade Placement:** 9

**Prerequisite:** None

**Credit:** 1

In English I, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. Students read extensively in multiple genres, such as stories, dramas, novels, and poetry from world literature. Students learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. Rigorous writing instruction emphasizes organizing logical arguments, theses and evidence. Writing instruction emphasizes sentence structure, paragraph development and development of comprehensive papers with focus on persuasion, reporting and description. Students will revise and edit their writing as part of the writing process. Composition practice is coordinated with guided reading of fiction, nonfiction, drama and poetry. The course will focus on critical thinking skills, literary analysis and development of writing styles.

English I students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

**English I Pre-AP****Course:** 1015**Grade Placement:** 9**Prerequisite:** See Suggested Guidelines**Credit:** 1

The English I Pre-AP curriculum requires critical reading and is writing based. Students are required to write multiple compositions, including a documented literary criticism research project. Students concentrate on vocabulary skills, language concepts, and critical thinking. Reading assignments emphasize analysis and interpretation of plays, novels, epics, poetry, and mythology. Summer reading is required. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments.**

English I students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

**English II****Course:** 1020**Grade Placement:** 10**Prerequisite:** None**Credit:** 1

In English II, students will engage in activities that build on prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. Students read extensively in multiple genres, such as stories, dramas, novels, and poetry, from world literature, learn literary forms and terms, and interprets the possible influences of the historical context on a literary work. A writing emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing (i.e., response to literature, a reflective essay, or an autobiographical narrative). Composition practice is coordinated with guided reading of fiction, nonfiction, drama and poetry. Students will revise and edit their writing as part of the writing process. The course will focus on critical thinking skills, literary analysis and development of writing styles.

English II students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

**English II Pre-AP****Course:** 1025**Grade Placement:** 10**Prerequisite:** (English I Pre-AP Recommended)  
See Suggested Guidelines**Credit:** 1

English II Pre-AP builds on the skills introduced in English I Pre-AP and stresses mastery of English usage, general essay skills, literary and stylistic analysis, and critical

thinking. Students enhance their appreciation of the classics through exploration of various forms of world literature. They become acquainted with the various philosophical and literary movements of each age. Stressed areas include concepts and skills in writing, language, research, and literary concepts. Summer reading is required. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments.**

English II students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

**English III****Course:** 1030**Grade Placement:** 11**Prerequisite:** None**Credit:** 1

In English III, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. Instruction emphasizes all aspects of American Literature. Students read extensively in multiple genres from American literature and world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. Students write in a variety of forms, including expository, personal, literary, and persuasive texts. Students plan, draft, and complete a research paper. Students revise and edit their papers for clarity and the correct use of the conventions and mechanics of written English as part of the writing process.

English III students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

**English III AP****Course:** 1035**Grade Placement:** 11**Prerequisite:** (English II Pre-AP Recommended)  
See Suggested Guidelines**Credit:** 1

The English III AP curriculum focuses on English language and composition with specific emphasis in rhetoric and persuasion. English III AP enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students primarily read American literature and nonfiction and develop critical skills through extensive reading, discussion, and writing, including a documented research paper. Summer reading is required. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students**

with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.

English III students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) exam to meet part of the graduation requirements.

#### **English IV**

**Course:** 1040

**Grade Placement:** 12

**Prerequisite:** English III

**Credit:** 1

In English IV, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. Intense instruction emphasizes an in-depth study of British literature. Composition work consists of a variety of forms with expository writing, argumentation, personal, literary and business. Students read extensively in multiple genres from British literature and world literature, learn literary forms and terms, and interpret the possible influences of the historical context on a literary work. Students plan, draft, and complete a research paper. Students revise and edit their papers for clarity and the correct use of the conventions and mechanics of written English.

#### **English IV AP**

**Course:** 1045

**Grade Placement:** 12

**Prerequisite:** (English III AP Recommended)  
See Suggested Guidelines

**Credit:** 1

The English IV AP curriculum focuses on English literature and composition. English IV AP enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students primarily read British literature and world literature and develop critical skills through extensive reading, discussion, and writing. Summer reading is required. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments than is normally required of students in regular classes. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.**

#### **English IV Dual Credit (English 1301, 1302, 2322 & 2323)**

**Course:** 1043/1044

**Grade Placement:** 12

**Prerequisite:** TCC Admissions Standards

**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school.

#### **English 1301– English Composition I**

In English Composition I, students participate in an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively.

#### **English 1302- English Composition I**

In English Composition II, students study and practice the strategies and techniques for developing research-based expository and persuasive texts. Emphasis is on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

**Courses are nine weeks each and must be taken in succession. Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

#### **English I for Speakers of Other Languages**

**Course:** 1061

**Grade Placement:** 9-12

**Prerequisite:** LPAC Committee Placement

**Credit:** 1

Enrollment is limited to non-native speakers of English. Students develop skills in listening, speaking, reading, and writing. Placement in ESL is dependent upon the student's proficiency level in English.

#### **English II for Speakers of Other Languages**

**Course:** 1062

**Grade Placement:** 10-12

**Prerequisite:** LPAC Committee Placement

**Credit:** 1

Enrollment is limited to non-native speakers of English. Students develop skills in listening, speaking, reading, and writing. Placement in ESL is dependent upon the student's proficiency level in English.



**The following courses are ELECTIVES  
offered in English.**

**Creative/Imaginative Writing**

**Course:** 1070

**Grade Placement:** 10-12

**Prerequisite:** English I

**Credit:** .5

Students will produce a variety of creative writing pieces addressing various modes and genres and will publish their writing in a school or class literary magazine.

**Practical Writing Skills (English Language Learners  
and Watson Learning Center Only)**

**Course:** 1074

**Grade Placement:** 9-12

**Prerequisite:** LPAC Committee or Faculty Placement

**Credit:** .5-1

Students will produce a variety of writing pieces addressing various modes and genres based on the TEKS-based concepts and elements of the writing process. Students will publish and present their writing.

**English Prep Lab (Individual Study in English)**

**Course:** 1063

**Grade Placement:** 10-11

**Prerequisite:** Lack of success on English EOC STAAR Tests

**Credit:** .5

This course is designed to help students build skills and learn concepts necessary to be successful on the English Language Arts EOC STAAR. Students who have tested and demonstrated needed areas of improvement in English Language Arts will be scheduled for this course. Students must pass the EOC STAAR to meet high school graduation requirements.

## Mathematics

Course Name	Credits	Grade Levels	Prerequisites
Algebra I	1	9	None
Algebra I Pre-AP	1	8-9	None See Suggested Guidelines
Geometry	1	9-10	Algebra I
Geometry Pre-AP	1	9-10	Algebra I See Suggested Guidelines
Math Models with Applications	1	10-11	Algebra I
Algebra II	1	10-12	Algebra I (Geometry Recommended)
Mathematical Applications in Agriculture, Food and Natural Resources	1	10-11	Algebra I (Geometry Recommended)
Applied Algebra (Taken with Applied Physics)	1	10-12	Algebra I (Geometry Recommended)
Algebra II Pre-AP	1	10-12	Algebra I and Geometry See Suggested Guidelines
Advanced Quantitative Reasoning	1	11-12	Geometry and Algebra II
Engineering Mathematics	1	11-12	Algebra II, <i>student must be enrolled in a two hour HCTC course</i>
Pre-Calculus	1	11-12	Algebra I, Geometry, Algebra II
Pre-Calculus Pre-AP	1	11-12	Algebra I, Geometry, Algebra II See Suggested Guidelines
AP Calculus AB	1	12	(Precalculus Recommended) See Suggested Guidelines
AP Calculus BC	1	12	(Precalculus Recommended) See Suggested Guidelines
AP Statistics	1	11-12	(Algebra II Recommended) See Suggested Guidelines

### Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Mathematics

- Successful completion of mathematics courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed STAAR

**These suggested guidelines are designed to aid the student in choosing the course in which he/she will be most successful.**

### Algebra I

**Course:** 1210

**Grade Placement:** 9

**Prerequisite:** None

**Credit:** 1

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze

statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra 1 students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Algebra 1 exam to meet part of the graduation requirements.

### **Algebra I Pre-AP**

**Course:** 1215

**Grade Placement:** 8-9

**Prerequisite:** See Suggested Guidelines

**Credit:** 1

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments.**

Algebra 1 students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Algebra 1 exam to meet part of the graduation requirements.

### **Geometry**

**Course:** 1220

**Grade Placement:** 9-10

**Prerequisite:** Algebra I

**Credit:** 1

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I, create formal constructions using a straight edge and compass, use deductive reasoning to justify, prove and apply theorems about geometric figures, use their

proportional reasoning skills to prove and apply theorems and solve problems, and apply theorems about circles to determine relationships between special segments and angles in circles. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education.

Geometry students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Geometry exam to meet part of the graduation requirements.

### **Geometry Pre-AP**

**Course:** 1225

**Grade Placement:** 9-10

**Prerequisite:** Algebra I

See Suggested Guidelines

**Credit:** 1

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I, create formal constructions using a straight edge and compass, use deductive reasoning to justify, prove and apply theorems about geometric figures, use their proportional reasoning skills to prove and apply theorems and solve problems, and apply theorems about circles to determine relationships between special segments and angles in circles. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments.**

Geometry students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Geometry exam to meet part of the graduation requirements.

### **Math Models with Applications**

**Course:** 1240

**Grade Placement:** 10-11

**Prerequisite:** Algebra I

**Credit:** 1

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

*For students graduating on the Recommended Plan, Mathematical Models, if selected, must be taken prior to Algebra II.*

### **Mathematical Applications in Agriculture, Food and Natural Resources**

**Course:** 5298

**Grade Placement:** 10-11

**Prerequisite:** Algebra (Geometry Recommended)

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

*\*(approved by State Board of Education for math credit – see Recommended Graduation Plan must be taken prior to Algebra II for students graduating in 2014-15).*

In this course, students will apply academic skills in mathematics, including algebra, geometry and data analysis in the context of agriculture, food and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply and transfer their knowledge and skills related to mathematics in a variety of contexts.

### **Algebra II**

**Course:** 1230

**Grade Placement:** 10-12

**Prerequisite:** Algebra I (Geometry Recommended)

**Credit:** 1

In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in

both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra II students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Algebra II exam to meet part of the graduation requirements. Additionally, students graduating on the Distinguished Plan must earn a “level III” score.

### **Applied Algebra II (Algebra in Physics)**

**Course:** 1232

**Grade Placement:** 10-12

**Prerequisite:** Algebra I (Geometry Recommended)

**Credit:** 1

This course is designed to cover the basic concepts of Algebra II and show how they are applied in the science of Physics. Topics in Algebra II include Functions and Equations, Graphing, Systems of Equations, Probability and Statistics, Polynomials, Rational Expressions and Trigonometry. Topics in Physics include Vectors, Kinematics, Dynamics, 2-dimensional Motion, Work and Energy, Simple Harmonic Motion, Momentum, Heat, Electricity and Magnetism, Optics and Waves. Labs and other activities will be incorporated to show real world applications of Physics and Algebraic concepts. Focusing on these skills enables teachers to use the principles of scientific inquiry to promote a more engaging and rigorous experience for students. [See the Algebra II Course Description for a more specific description of the Algebra II component.]

**Students enrolled in this course also enroll in the Physics component.** The course is taught in a “double-block” format. Students will receive 1 credit for Algebra II and 1 credit for Physics. Students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Algebra II and Physics exams to meet part of the graduation requirements. Additionally, students graduating on the Distinguished Plan must earn a “level III” score on the Algebra II exam.

### **Algebra II Pre-AP**

**Course:** 1235

**Grade Placement:** 10-12

**Prerequisite:** Algebra I (Geometry Recommended)

See Suggested Guidelines

**Credit:** 1

In Algebra II Pre-AP, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition,

students will extend their knowledge of data analysis and numeric and algebraic methods. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments.**

Algebra II students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Algebra II exam to meet part of the graduation requirements. Additionally, students graduating on the Distinguished Plan must earn a “level III” score.

**The following courses are ELECTIVES offered in math. Students must choose one of the courses listed below to meet the total of 4 credits required for graduation.**

### **Advanced Quantitative Reasoning**

**Course:** 1244

**Grade Placement:** 11-12

**Prerequisite:** Geometry and Algebra II

**Credit:** 1

This course is a mathematics course that emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. It also prepares students for college majors that are not math intensive, for technical training or for a range of career options.

### **Engineering Mathematics**

**Course:** 5557

**Grade Placement:** 11-12

**Prerequisite:** Algebra II, *student must be enrolled in a two hour HCTC course*

**Credit:** 1.0

**Site:** Hollenstein Career and Technology Center (HCTC)

This class can count as a 4th year math class. Students solve and model robotic design problems using mathematical methods and models to represent and analyze problems including spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics and robotics with computer programming.

### **Precalculus**

**Course:** 1250

**Grade Placement:** 11-12

**Prerequisite:** Algebra I, Geometry, Algebra II

**Credit:** 1

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus

deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

### **Precalculus Pre-AP**

**Course:** 1255

**Grade Placement:** 11-12

**Prerequisite:** Algebra I, Geometry, Algebra II  
See Suggested Guidelines

**Credit:** 1

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. **Extra time is required on the part of Pre-AP students for class preparation and completion of assignments.**

### **AP Calculus AB**

**Course:** 1265

**Grade Placement:** 12

**Prerequisite:** (Precalculus Recommended) See Suggested Guidelines

**Credit:** 1

AP Calculus AB covers essentially the same topics as a first semester college calculus course. Topics include development of the derivative, application of the derivative (maxima and minima, curve sketching, rate of change and related rates), area under a curve and development of the integral, formulas of integration and volumes of revolution. **Extra time is required on the part of AP students for class preparation and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Calculus exam for college credit.**

### **AP Calculus BC**

**Course:** 1275

**Grade Placement:** 12

**Prerequisite:** (Precalculus Recommended) See Suggested Guidelines

**Credit:** 1

This course prepares students for the College Board AP

Calculus BC Examination for possible college credit (1st and 2nd semester calculus). Students explore all topics covered in AP Calculus AB plus additional topics such as parametric, polar, and vector functions and derivatives; L'Hospital's Rule, Applications of Integrals; and Polynomial Approximations and Series. **Extra time is required on the part of AP students for class preparation and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Calculus Exam in the spring.**

#### **AP Statistics**

**Course:** 1285

**Grade Placement:** 11-12

**Prerequisite:** (Algebra II Recommended) See Suggested Guidelines

**Credit:** 1

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is equivalent to a one-semester, introductory, non-calculus based college course in statistics. **Extra time is required on the part of AP students for class preparation and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the AP Statistics Exam in the spring.**

#### **Developmental Math**

**Course:** 1211

**Grade Placement:** 12

**Prerequisite:** Lack of success on Algebra I STAAR/End of Course Exam

**Credit:** 1

Developmental Math is designed to reinforce algebraic skills and concepts in order to better prepare students for college level math courses. The course includes the terminology of sets, operations on sets, and properties of real numbers.

#### **Math Lab**

**Course:** 1212

**Grade Placement:** 9

**Prerequisite:** Lack of success on Grade 8 Math STAAR Exam

**Credit:** 1 (local)

Math Lab is designed to strengthen and reinforce mathematical concepts with a focus on problem solving application and critical thinking skills. A strong emphasis will be placed on instructional strategies designed to reinforce the curriculum.

## Science

Course Name	Credits	Grade Levels	Prerequisites
Biology	1	9	None
Biology Pre-AP	1	9	See Suggested Guidelines
Integrated Physics and Chemistry	1	10	Academic Need/Faculty Recommendation
Chemistry	1	10-12	Biology, Algebra I
Chemistry Pre-AP	1	10-12	Biology, Algebra I (Concurrent Enrollment in Algebra II Recommended) See Suggested Guidelines
Physics	1	10-12	(Biology, Algebra I, Completion or Concurrent Enrollment in Second Year of Math Recommended)
Applied Physics (Taken with Applied Algebra II)	1	10-12	Algebra I (Biology, Geometry Recommended)
Anatomy and Physiology	1	11-12	(Biology, Chemistry Recommended)
Aquatic Science	1	11-12	Biology (Chemistry Recommended)
Environmental Systems	1	11-12	(Biology, Chemistry Recommended)
Environmental Science AP	1	11-12	(Biology, Chemistry Recommended) See Suggested Guidelines
Forensic Science (take with HCTC course)	1	11-12	Biology, Chemistry, Enrollment in HCTC course <i>and</i> CTE Enrollment Request
Forensic Science-Accelerated	1	11-12	Biology, Chemistry, ability to have two consecutive class periods <i>and</i> CTE Enrollment Request
Medical Microbiology/Pathophysiology	.5 each	11-12	(Biology, Chemistry Recommended)
Biology AP	1	10-12	(Biology, Chemistry, Algebra II or Concurrent Enrollment Recommended) See Suggested Guidelines
Chemistry AP	1	11-12	(Biology, Chemistry, Physics, Algebra II Recommended) See Suggested Guidelines
Physics B AP	1	12	(Physics, Algebra II Recommended) See Suggested Guidelines
AP Physics 1	1	11-12	Geometry, and concurrent enrollment in Algebra 2.
AP Physics 2	1	11-12	AP Physics 1 or Physics and completion/concurrent enrollment in Precalculus

### Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Science

Successful completion of science courses taken previously with an average of 80 or above

Students encouraged to seek teacher advisement  
 Student should have passed STAAR

These suggested guidelines are designed to aid the student in choosing the course in which he/she will be most successful.

**Biology****Course:** 1310**Grade Placement:** 9-10**Prerequisite:** None**Credit:** 1

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

Biology students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Biology exam to meet part of the graduation requirements.

**Biology Pre-AP****Course:** 1315**Grade Placement:** 9**Prerequisite:** See Suggested Guidelines**Credit:** 1

Biology Pre-AP is designed as the first year of a two year program to prepare students for the Advanced Placement Biology exam for college credit. Pre-AP Biology is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, microbiology (which includes invertebrates), taxonomy, embryogenesis, homeostasis, and human body systems. This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills, a rigorous, in-depth and sophisticated laboratory based approach and accelerated concept pacing. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments.**

Biology students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Biology exam to meet part of the graduation requirements.

**Integrated Physics and Chemistry****Course:** 1301**Grade Placement:** 10**Prerequisite:** Academic Need/Faculty Recommendation**Credit:** 1

IPC is recommended for students who need extra preparation to meet the rigors of physics and chemistry and integrates the two disciplines with a strong emphasis on calculation in the following topics: motion, waves, energy transformation, properties of matter, changes in matter, and

solution chemistry. Students who take Integrated Physics and Chemistry (IPC) must also take biology, chemistry and physics in order to meet the requirements of the Recommended High School Program. IPC must be taken prior to both chemistry and physics. IPC does not qualify under the Distinguished Graduation Program.

**Chemistry****Course:** 1320**Grade Placement:** 10-12**Prerequisite:** Biology, Algebra I**Credit:** 1

In Chemistry, students conduct field and laboratory, investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Chemistry is a study of matter and the changes it undergoes. Chemistry students will cover nomenclature, chemical reactions, stoichiometry, the behavior of gases, atomic history and structure, chemical bonding, nuclear fission and fusion as well as acid-base theories. A conceptual approach will be coupled with mathematical skills necessary to solve fundamental chemistry problems. Students study a variety of topics that revolve around societal questions and how chemistry affects our daily lives.

**Chemistry Pre-AP****Course:** 1325**Grade Placement:** 10-12**Prerequisite:** Biology, Algebra I (Concurrent Enrollment in Algebra II Recommended)  
See Suggested Guidelines**Credit:** 1

Chemistry Pre-AP is designed as the first year of a two year program to prepare students for the Advanced Placement Chemistry exam for college credit. This course is a faster-paced, more intensive presentation of the theories and concepts studied in chemistry. Topics to be covered, as determined by the College Board, include scientific processes, characteristics of matter, atomic theory, bonding and covalent compounds, chemical reactions, quantifying equations, solids, liquids, and solutions, and gas laws. Additional emphasis is placed on mathematical relationships and problem solving skills. (Students should have a thorough understanding of Algebra.) This course is designed for the highly motivated student and utilizes content and activities that stress higher level thinking skills, a rigorous, in-depth and sophisticated laboratory based approach and accelerated concept pacing. **Extra time is required on the part of Pre-AP students for class preparation, outside reading, and completion of assignments.**



### **Physics**

**Course:** 1330

**Grade Placement:** 10-12

**Prerequisite:** (Algebra I, Completion or Concurrent Enrollment in Second Year of Math Recommended)

**Credit:** 1

In Physics, students conduct field and laboratory, investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. In Physics, students will study laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves, and quantum physics. A conceptual approach will be coupled with mathematical skills necessary to solve fundamental physics problems. Students will study a variety of topics that revolve around how physics affects our daily lives.

### **Applied Physics (Taken with Applied Algebra II)**

**Course:** 1332

**Grade Placement:** 10-12

**Prerequisite:** Algebra I (Biology, Geometry Recommended)

**Credit:** 1

Topics in Applied Physics include Vectors, Kinematics, Dynamics, 2-dimensional Motion, Work and Energy, Simple Harmonic Motion, Momentum, Heat, Electricity and Magnetism, Optics and Waves. Labs and other activities will be incorporated to show real world applications of Physics and Algebraic concepts. Focusing on these skills enables teachers to use the principles of scientific inquiry to promote a more engaging and rigorous experience for students.

**The following courses are ELECTIVES offered in science. Students must choose one of the courses listed below to meet the total of 4 credits required for graduation.**

### **Anatomy and Physiology**

**Course:** 1371

**Grade Placement:** 11-12

**Prerequisite:** (Biology, Chemistry Recommended)

**Credit:** 1

Anatomy and Physiology is a comprehensive study of the structures and functions of the human body. This course will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations.

### **Aquatic Science**

**Course:** 1385

**Grade Placement:** 10-12

**Prerequisite:** Biology (Chemistry Recommended)

**Credit:** 1

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

### **Environmental Systems**

**Course:** 1395

**Grade Placement:** 11-12

**Prerequisite:** (Biology, Chemistry Recommended)

**Credit:** 1

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. Students study a variety of current topics that revolve around societal questions and how humans impact the environment.

### **Environmental Science AP**

**Course:** 1305

**Grade Placement:** 11-12

**Prerequisite:** (Biology, Chemistry Recommended)  
See Suggested Guidelines

**Credit:** 1

This course is an interdisciplinary experience that embraces a wide variety of topics from different areas of study, such as Meteorology, Hydrology, Geology, Ecology, Physics, Chemistry, History, Agriculture, Mathematics, Statistics, Economics, and Political Science. The APES course is designed to be the equivalent of a one-semester introductory, college-level course in environmental science. The goal of the Environmental Science AP course is to provide students with the scientific principles, concepts, and methodologies that are required for them to understand the interrelationships of the natural world, and prepare them to take the Environmental Science AP exam. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to**

take the Advanced Placement Exam in the spring.

**Forensic Science (taken w/HCTC course)**

**Course:** 5912

**Grade Placement:** 11-12

**Prerequisite:** Biology, Chemistry, Enrollment in Law Enforcement I *or* other class held at HCTC *and* CTE Enrollment Request

**Credit:** 1.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. *(Only students that will be at the HCTC for 2 periods may take this course.)*

**Forensic Science-Accelerated**

**Course:** 5911

**Grade Placement:** 11-12

**Prerequisite:** Biology, Chemistry *and* CTE Enrollment Request

**Credit:** 1.0 (two consecutive class periods)

**Site:** Hollenstein Career and Technology Center (HCTC)  
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. *\*This course meets for 2 periods a day. Students will complete the year long course in one semester.*

**Medical Microbiology / Pathophysiology**

**Course:** 5841/5851

**Grade Placement:** 11-12

**Prerequisite:** (Biology, Chemistry Recommended)

**Credit:** .5 each

**Site:** HCTC, BHS, SHS

Medical Microbiology is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. Pathophysiology students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

*\*These two courses must be taken together to count as the fourth state approved science.*

**Biology AP**

**Course:** 1345

**Grade Placement:** 10-12

**Prerequisite:** (Biology, Chemistry, Algebra II or Concurrent Enrollment Recommended) See Suggested Guidelines

**Credit:** 1

The AP Biology course shifts from a traditional “content coverage” model of instruction to one that focuses on enduring, conceptual understandings and the content that supports them. This enables students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and helps them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Biology. Students develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The AP Biology course is equivalent to a two-semester college introductory biology course. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Biology AP are expected to take the Advanced Placement Exam in the spring.**

Biology AP students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) Biology exam to meet part of the graduation requirements.

**Chemistry AP**

**Course:** 1355

**Grade Placement:** 11-12

**Prerequisite:** (Biology, Chemistry, Physics, Algebra II Recommended)  
See Suggested Guidelines

**Credit:** 1

The AP Chemistry course focuses on a model of instruction which promotes enduring, conceptual understandings and the content that supports them. This enables students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and helps them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Chemistry. Students develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The key concepts and related content that define the revised AP Chemistry course and exam are organized around a few underlying principles which encompass the core scientific principles, theories, and processes governing chemical systems. The AP Chemistry course is equivalent to a two- semester college level chemistry course. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a**

**learning experience equivalent to that obtained in most college introductory courses. Students who take Chemistry AP are expected to take the Advanced Placement Exam in the spring.**

### **AP Physics 1**

**Course:** 1363

**Grade Placement:** 10-12

**Prerequisite:** Geometry, and concurrent enrollment in Algebra 2.

**Credit:** 1

AP Physics 1 is equivalent to a first semester college course in Algebra-based physics. It is designed to prepare students to take the AP Physics 1 exam. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It introduces electric circuits. The content of the course will meet College Board Standards. In-depth descriptive and experimental laboratory will be utilized throughout this course. Extra time is required on the part of the AP Students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students are expected to take the Advanced Placement Exam in the spring.

### **AP Physics 2**

**Course:** 1364

**Grade Placement:** 11-12

**Prerequisite:** AP Physics 1 or Physics, and completion of/or concurrent enrollment in Precalculus

**Credit:** 1

AP Physics 2 is equivalent to a second-semester college course in Algebra-based physics. It is designed to prepare students to take the AP physics exam. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The content of this course will meet College Board Standards. A variety of in-depth laboratory activities will be utilized throughout this course. Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most second semester college physics courses. Students are expected to take the Advanced Placement Exam in the Spring.

### **Biology Prep Lab**

**Course:** 1311

**Grade Placement:** 10

**Prerequisite:** Lack of success on STAAR Biology, Administrative Placement

**Credit:** 1 (local)

Biology Prep Lab is designed for students that have not yet been successful on STAAR Biology assessment. This course will work to strengthen and reinforce scientific concepts that focus on critical thinking and problem solving skills. A strong emphasis will be placed on testing skills

and instructional strategies to help the student be successful on the required state assessment. This course will be 40% laboratory and fieldwork as required by the state for all secondary science courses.

## Social Studies

Course Name	Credits	Grade Levels	Prerequisites
World Geography (Required Elective)	1	9	None
World Geography Pre AP (Required Elective)	1	9	See Suggested Guidelines
Human Geography AP (Required Elective)	1	9-12	See Suggested Guidelines
World History	1	10	None
World History AP	1	10	See Suggested Guidelines
United States History (Since 1877)	1	11	None
United States History AP	1	11	See Suggested Guidelines
United States History Dual Credit (HIST 1301 & 1302)	1	11	TCC Admission Standards
United States Government	.5	12	None
United States Government and Politics AP	.5	12	See Suggested Guidelines
United States Government Dual Credit (GOVT 2305)	.5	12	TCC Admission Standards
Economics	.5	12	None
Economics AP (Macroeconomics)	.5	12	See Suggested Guidelines
Principles of Economics Dual Credit (ECON 2301)	.5	12	TCC Admission Standards
European History AP	1	10-12	See Suggested Guidelines
Psychology	.5	11-12	None (Course Contains Mature Content)
Psychology AP	.5	11-12	See Suggested Guidelines
Sociology	.5	11-12	None
Special Topics in Social Studies I & II	.5	12	See Guidelines

### Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Social Studies

- Successful completion of social studies courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed STAAR

**These suggested guidelines are designed to aid the student in choosing the course in which he/she will be most successful.**

### World Geography

**Course:** 1410

**Grade Placement:** 9

**Prerequisite:** None

**Credit:** 1

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places,

and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

### **World Geography Pre-AP**

**Course:** 1415

**Grade Placement:** 9

**Prerequisite:** None (See Suggested Guidelines)

**Credit:** 1

World Geography Pre-AP focuses on the relationships among people, places, and environments that result in geographic patterns on the earth. Students use geographic methods to compare and analyze landforms, climates, and natural resources, as well as cultural, political, economic and religious characteristics of the world regions. Students use a variety of interdisciplinary sources, both primary and secondary, such as maps, pictures, and documents to learn about the geography of different world regions. Students use problem-solving and decision-making skills to ask and answer geographic questions.

### **Human Geography AP**

**Course:** 1475

**Grade Placement:** 9 (May also be taken as an elective course by students in grades 10-12)

**Prerequisite:** See Suggested Guidelines

**Credit:** 1

Human Geography AP meets the World Geography state graduation requirement and introduces students to the importance of spatial organization – the location of places, people, and events, and the connections among places, people, and events and the connections among places and landscapes – in the understanding of human life on Earth. Students will develop an understanding of the ways in which the human population is organized geographically; the components and regional variations of cultural patterns and processes; the nature and significance of the political organization of territory at different scales; the origin and spread of agriculture, including the characteristics of the world's agricultural regions, reasons why these regions

function the way they do, and the impact of agricultural change on the quality of life and the environment; the geographic elements of industrialization and development, including contemporary issues surrounding economic activity; and urban geography, including current trends in urban development. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Human Geography AP are expected to take the Advanced Placement Exam in the spring.**

### **World History**

**Course:** 1420

**Grade Placement:** 10

**Prerequisite:** None

**Credit:** 1

World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course should focus on "essential" concepts and skills that can be applied to various eras, events, and people within the standards in subsection (c) of this section. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

## **World History AP**

**Course:** 1425

**Grade Placement:** 10

**Prerequisite:** See Suggested Guidelines

**Credit:** 1

The World History AP course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present.

The AP World History course develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. The skills, course themes, periodization, and key concepts follow the AP curriculum framework: Theme 1: Interaction Between Humans and the Environment; Theme 2: Development and Interaction of Cultures; Theme 3: State-Building, Expansion, and Conflict; Theme 4: Creation, Expansion, and Interaction of Economic Systems; Theme 5: Development and Transformation of Social Structures. The themes and key concepts are intended to provide foundational knowledge for future college-level course work in history. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take World History AP are expected to take the Advanced Placement Exam in the spring.**

## **United States History (Since 1877)**

**Course:** 1430

**Grade Placement:** 11

**Prerequisite:** None

**Credit:** 1

In United States History Studies Since 1877, which is the second part of a two-year study that begins in Grade 8, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts

and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

U.S. History students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) U.S. History exam to meet part of the graduation requirements.

## **United States History AP**

**Course:** 1435

**Grade Placement:** 11

**Prerequisite:** See Suggested Guidelines

**Credit:** 1

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. AP U.S. History students should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take U.S. History AP are expected to take the Advanced Placement Exam in the spring.**

U.S. History AP students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) U.S. History exam to meet part of the graduation requirements.

## **United States History Dual Credit (HIST 1301 & 1302)**

**Course:** 1433

**Grade Placement:** 11

**Prerequisite:** TCC Admissions Standards

**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The first semester of this course traces the development of the American nation from its roots to the close of Reconstruction. The second semester traces the

development of the American nation from Reconstruction to the present.

U.S. History Dual Credit students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC). U.S. History exam to meet part of the graduation requirements.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

### **United States Government**

**Course:** 1440

**Grade Placement:** 12

**Prerequisite:** None

**Credit:** .5

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

### **United States Government and Politics AP**

**Course:** 1445

**Grade Placement:** 12

**Prerequisite:** See Suggested Guidelines

**Credit:** .5

United States Government and Politics AP will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students should become

acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes, topics usually covered in all college courses. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take U.S. Government and Politics AP are expected to take the Advanced Placement Exam in the spring.**

### **United States Government Dual Credit (GOVT 2305)**

**Course:** 1443

**Grade Placement:** 12

**Prerequisite:** TCC Admissions Standards

**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

### **Economics with Emphasis on the Free Enterprise System and Its Benefits**

**Course:** 1460

**Grade Placement:** 12

**Prerequisite:** None

**Credit:** .5

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

### **Economics AP (Macroeconomics)**

**Course:** 1465

**Grade Placement:** 12

**Prerequisite:** See Suggested Guidelines

**Credit:** .5

The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students explore topics generally covered in college courses. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Economics AP are expected to take the Advanced Placement Exam in the spring.**

### **Principles of Macroeconomics Dual Credit (ECON 2301)**

**Course:** 1463

**Grade Placement:** 12

**Prerequisite:** TCC Admissions Standards

**Credit:** 1

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuations, fiscal policy, and monetary policy.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

**The following courses are ELECTIVES offered in social studies. They do NOT substitute for the required credit in social studies.**

### **European History AP**

**Course:** 1455

**Grade Placement:** 10-12

**Prerequisite:** See Suggested Guidelines

**Credit:** 1

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. AP European History provided the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and

intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses**

**provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Economics AP are expected to take the Advanced Placement Exam in the spring.**

### **Psychology**

**Course:** 1480

**Grade Placement:** 11-12

**Prerequisite:** None (Course contains mature content)

**Credit:** .5

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

### **Psychology AP**

**Course:** 1485

**Grade Placement:** 11-12

**Prerequisite:** See Suggested Guidelines

**Credit:** .5

The Psychology AP course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Economics AP are expected to take the Advanced Placement Exam in the spring.**

### **Sociology**

**Course:** 1490

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit:** .5

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of



research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

### **Special Topics in Social Studies I: U.S. History**

**Course:** 1498

**Grade Placement:** 12

**Prerequisite:** Level I performance on the U. S. History EOC

**Credit:** .5

In Special Topics in Social Studies I (U.S. History), students are provided the opportunity to develop a greater understanding of the historic, political, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

U.S. History students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) U.S. History exam to meet part of the graduation requirements.

### **Special Topics in Social Studies II: U.S. History**

**Course:** 1499

**Grade Placement:** 12

**Prerequisite:** Level I performance on the U. S. History EOC

**Credit:** .5

In Special Topics in Social Studies II (U.S. History emphasis), students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

U.S. History students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) U.S. History exam to meet part of the graduation requirements.

## Advancement Via Individual Determination (AVID)

Course Name	Credits	Grade Levels	Prerequisites
<b>AVID I</b>	<b>1</b>	<b>9</b>	<b>District Admissions Standards/ Application Process</b>
<b>AVID II</b>	<b>1.5</b>	<b>10</b>	<b>District Admissions Standards/ Application Process</b>
<b>AVID III</b>	<b>1</b>	<b>11</b>	<b>District Admissions Standards/ Application Process</b>
<b>AVID IV</b>	<b>1</b>	<b>12</b>	<b>District Admissions Standards/ Application Process</b>

### **AVID I**

**Course:** 1830

**Grade Placement:** 9

**Prerequisite:** District Admissions Standards/  
Application Process

**Credit:** 1

Advancement Via Individual Determination (AVID) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

### **AVID II/Communication Applications**

**Course:** 1840

**Grade Placement:** 10

**Prerequisite:** District Admissions Standards/  
Application Process

**Credit:** 1.5

Advancement Via Individual Determination (AVID II) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

**The four components of the Communication Application Texas Essential Knowledge and Skills (Communication Process, Interpersonal, Group Communications, Presentations) embedded in the 10<sup>th</sup> grade AVID elective course also allow students to earn Communications Application credit upon successful completion of the year-long elective course. A grade of “P” (Passing) will be recorded on a student’s transcript for Communication Application.**

### **AVID III**

**Course:** 1850

**Grade Placement:** 11

**Prerequisite:** District Admissions Standards/  
Application Process

**Credit:** 1

Advancement Via Individual Determination (AVID III) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

### **AVID IV**

**Course:** 1860

**Grade Placement:** 12

**Prerequisite:** District Admissions Standards/  
Application Process

**Credit:** 1

Advancement Via Individual Determination (AVID IV) is a college preparatory elective course with a focus on the AVID core strategies including organizational skills, time management, goal setting, collaboration, public speaking, Cornell notes, reading strategies, the writing process, and levels of inquiry. Students also explore college and professional careers in the AVID elective course.

## Athletics

Boys	Girls
<b>Baseball</b> (9 <sup>th</sup> -3031, 10 <sup>th</sup> -3102, 11 <sup>th</sup> - 3103, 12 <sup>th</sup> - 3104)	<b>Basketball</b> (9 <sup>th</sup> - 3041, 10 <sup>th</sup> - 3072, 11 <sup>th</sup> - 3073, 12 <sup>th</sup> - 3074)
<b>Basketball</b> (9 <sup>th</sup> - 3031, 10 <sup>th</sup> -3062, 11 <sup>th</sup> - 3063, 12 <sup>th</sup> - 3064)	<b>Cross Country</b> (9 <sup>th</sup> - 3201, 10 <sup>th</sup> - 3202, 11 <sup>th</sup> - 3203, 12 <sup>th</sup> - 3204)
<b>Cross Country</b> (9 <sup>th</sup> -3201, 10 <sup>th</sup> - 3202, 11 <sup>th</sup> - 3203, 12 <sup>th</sup> -3204)	<b>Golf</b> (9 <sup>th</sup> - 3191, 10 <sup>th</sup> - 3192, 11 <sup>th</sup> - 3193, 12 <sup>th</sup> - 3194)
<b>Football</b> (9 <sup>th</sup> -3031, 10 <sup>th</sup> -3052, 11 <sup>th</sup> -3053, 12 <sup>th</sup> -3054)	<b>Gymnastics</b> (9 <sup>th</sup> -3151, 10 <sup>th</sup> - 3152, 11 <sup>th</sup> -3153, 12 <sup>th</sup> -3154)
<b>Golf</b> (9 <sup>th</sup> -3191, 10 <sup>th</sup> -3192, 11 <sup>th</sup> -3193, 12 <sup>th</sup> -3194)	<b>Soccer</b> (9 <sup>th</sup> - 3091, 10 <sup>th</sup> - 3092, 11 <sup>th</sup> - 3093, 12 <sup>th</sup> - 3094)
<b>Gymnastics</b> (9 <sup>th</sup> -3141, 10 <sup>th</sup> - 3142, 11 <sup>th</sup> -3143, 12 <sup>th</sup> -3144)	<b>Softball</b> (9 <sup>th</sup> - 3111, 10 <sup>th</sup> - 3112, 11 <sup>th</sup> - 3113, 12 <sup>th</sup> - 3114)
<b>Soccer</b> (9 <sup>th</sup> -3081, 10 <sup>th</sup> -3082, 11 <sup>th</sup> - 3083, 12 <sup>th</sup> - 3084)	<b>Swimming</b> (9 <sup>th</sup> - 3211, 10 <sup>th</sup> -3212, 11 <sup>th</sup> - 3213, 12 <sup>th</sup> - 3214)
<b>Swimming</b> (9 <sup>th</sup> - 3211, 10 <sup>th</sup> -3212, 11 <sup>th</sup> - 3213, 12 <sup>th</sup> - 3214)	<b>Tennis</b> (9 <sup>th</sup> - 3121, 10 <sup>th</sup> - 3122, 11 <sup>th</sup> - 3123, 12 <sup>th</sup> - 3124)
<b>Tennis</b> (9 <sup>th</sup> - 3121, 10 <sup>th</sup> - 3122, 11 <sup>th</sup> -3123, 12 <sup>th</sup> - 3124)	<b>Track</b> (9 <sup>th</sup> -3201, 10 <sup>th</sup> - 3202, 11 <sup>th</sup> - 3203, 12 <sup>th</sup> -3204)
<b>Track</b> (9 <sup>th</sup> -3201, 10 <sup>th</sup> - 3202, 11 <sup>th</sup> - 3203, 12 <sup>th</sup> -3204)	<b>Volleyball</b> (9 <sup>th</sup> - 3041, 10 <sup>th</sup> - 3072, 11 <sup>th</sup> - 3073, 12 <sup>th</sup> - 3074)
<b>Wrestling</b> (9 <sup>th</sup> -3221, 10 <sup>th</sup> -3222, 11 <sup>th</sup> -3223, 12 <sup>th</sup> - 3224)	<b>Wrestling</b> (9 <sup>th</sup> -3221, 10 <sup>th</sup> -3222, 11 <sup>th</sup> -3223, 12 <sup>th</sup> - 3224)

### High School Athletics

**Grade Placement:** 9-12

**Course:** Various (see your counselor)

**Prerequisite:** Coach Approval

**Credit:** .5 per semester

Athletics provide students with the opportunity to fine tune their athletic abilities and compete against students from other schools. Participation in athletics develops self-discipline, cooperation, leadership, responsibility, self-control and selflessness of participation in team sports. A physical examination is required to be on file before participation. **Students may earn up to 4 credits for participation in athletics.**

**FOR MORE INFORMATION  
REGARDING PHYSICAL  
EDUCATION  
SUBSTITUTIONS AND CREDITS  
PLEASE REFER TO  
PAGES 8-9 OF THIS GUIDE.**

**Ninth grade athletics** is the introduction of UIL Competition Athletics at the high school level. Our objectives are to teach the proper attitude, improve the athletic ability of each student and to use Athletics to enhance academics. Students in the class period work to become better people and better athletes and practice individual sport skills after school. **Students may earn up to 4 credits for participation in athletics.**

Requirements to enroll: All necessary paperwork must be completed and turned in prior to end of school in the student's eighth grade year. A physical examination is required to be on file before participation.

#### Supplementary Athletic Events

District High Schools participate in competitive Power Lifting.

Power lifting is not offered as a class during the school day. Students practice before and/or after school.

**Contact the Athletic Department for additional information.**



*Are you interested in wildlife, animals, parks or forestry? Have you always wanted to take care of an animal but didn't have the space at home? Are you curious about the physical world and concerned about the environment? Are you interested in horticulture? If you answered "yes" to most of these questions, this may be the career path for you!*

## Career and Technical Education: Agriculture, Food, and Natural Resources

Course Name	Credits	Grade Levels	Prerequisites
Principles of Agriculture, Food, and Natural Resources	.5	9-12	None
Agricultural Mechanics and Metal Technologies	.5	10-12	None
Equine Science	.5	9-12	None
Floral Design	1	10-12	None
Livestock Production	.5	9-12	None
Mathematical Applications in Agriculture, Food, and Natural Resources	1	10-11	Algebra I (Geometry Recommended)
Small Animal Management	.5	9-12	None
Wildlife Fisheries & Ecology Management	.5	9-12	None

### Principles of Agriculture, Food, and Natural Resources

**Course:** 5211

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course is designed to prepare students for careers in agriculture, food, and natural resources. This course introduces the basics of global agriculture.

### Agricultural Mechanics and Metal Technologies

**Course:** 5212

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

### Equine Science

**Course:** 5240

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course is designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of horses, donkeys, and mules.

### Floral Design

**Course:** 5295

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

Exposes students to the basic techniques of floral design.

The is class is project based with many large and small projects used to evaluate the progress of the student. There are lots of hands on activities to involve the students in techniques required in the floral industry.

### Livestock Production

**Course:** 5231

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course is designed to prepare for careers in the field of animal science. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

**Mathematical Applications in Agriculture, Food, and Natural Resources**

**Course:** 5298

**Grade Placement:** 10-11

**Prerequisite:** Algebra (Geometry Recommended)

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

*\*(approved by State Board of Education for math credit – see Recommended Graduation Plan must be taken prior to Algebra II for students graduating in 2014-15).*

In this course, students will apply academic skills in mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply and transfer their knowledge and skills related to mathematics in a variety of contexts.

**Small Animal Management**

**Course:** 5234

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course prepares students for careers in the field of animal science, students learn the importance of responsible care and management requirements for a variety of small animals. The students learn safe practices and techniques for working with small animals.

**Wildlife Fisheries & Ecology Management**

**Course:** 5251

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course examines the management of game and non-game wildlife species, fish and aqua crops, and their ecological needs as related to current agricultural practices. It discusses the importance of wildlife and outdoor recreation with an emphasis on using wildlife and natural resources.



*Do you like to work with your hands? Do you like to draw on a computer? Do you enjoy problem solving and creative thinking? Are you curious about how things work? If the answer to most of these questions is “yes,” this may be the career path for you!*

**Career and Technical Education: Architecture and Construction**

Course Name	Credits	Grade Levels	Prerequisites
Principles of Architecture and Construction Technology	.5	8-12	None
Architectural Design	1	9-12	Principles of A & C <i>or</i> completion/ concurrent enrollment in Geometry
Advanced Architectural Design	2	11-12	Architectural Design <i>and</i> CTE Enrollment Request
Construction Technology	1	10-12	None

**Principles of Architecture and Construction Technology**

**Course:** 5561  
**Grade Placement:** 8-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS, CMS, EWMS, HMS, PVMS, WMS

Principles of Architecture and Construction Technology provides an overview to the various fields of architecture, construction science, and construction technology.

**Architectural Design**

**Course:** 5562  
**Grade Placement:** 9-12  
**Prerequisite:** Principles of A & C *or* completion/  
concurrent enrollment in Geometry  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

A technical course in principles of residential design, architectural styles and construction practices. Activities focus on the development of original working drawings, presentation drawings, and model building. This course is taught with computerized equipment.

**Advanced Architectural Design**

**Course:** 5563  
**Grade Placement:** 11-12  
**Prerequisite:** Architectural Design *and* CTE Enrollment Request  
**Credit:** 2.0  
**Site:** HCTC

In Advanced Architectural Design, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

**Construction Technology**

**Course:** 5531  
**Grade Placement:** 10-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Students will gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering.



*Do you enjoy working with other people? Do other people think of you as being creative? Do you like to draw, paint or visually depict what you see or imagine? Are you good at writing and/or speaking? Do you enjoy working with technology, especially in creating multimedia productions? If so, Arts, A/V Technology & Communications may be the career pathway for you.*

## Career and Technical Education: Arts, A/V Technology, & Communication

Course Name	Credits	Grade Levels	Prerequisites
Professional Communications	.5	9-12	None
Digital and Interactive Media	1	9-12	None
Audio/Video Production	1	9-12	None
Advanced Audio/Video Production	2	11-12	Audio/Video Production <i>and</i> CTE Enrollment Request
Radio Broadcasting	2	11-12	Audio/Video Production <i>and</i> CTE Enrollment Request
Practicum in Audio/Video Production <i>Options:</i> 1- Video 2- Radio	2	12	1-Advanced Audio/Video Production <i>and</i> CTE Enrollment Request 2- Radio Broadcasting <i>and</i> CTE Enrollment Request
Animation	2	11-12	Art 1, Digital & Interactive Media <i>and</i> CTE Enrollment Request
Advanced Animation	2	12	Animation <i>and</i> CTE Enrollment Request
Graphic Design and Illustration	2	11-12	Digital & Interactive Media <i>and</i> CTE Enrollment Request
Advanced Graphic Design and Illustration	2	12	Graphic Design and Illustration <i>and</i> CTE Enrollment Request

### Professional Communications

**Course:** 5088  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

Professional Communications blends written, oral and graphic communication in a career-based environment. 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.

**\*Students planning to continue in the AVID program should not register for the Professional Communications course. Students in AVID II will receive their Professional Communications credit at the end of the second semester upon successful completion of the course.**

### Digital and Interactive Media

**Course:** 5041  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

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

### Audio/Video Production

**Course:** 5081  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Students will learn the technology to create and manage professional-level video presentations. Pre-production planning (script-writing, storyboarding, shot preparation, and tools), production (cameras, lighting, sets, and direction) and post-production (editing, master creation,

and delivery) will be emphasized using short documentaries and exercises as the basis for mastery.

### **Advanced Audio/Video Production**

**Course:** 5082

**Grade Placement:** 11-12

**Prerequisite:** Audio/Video Production and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production and post-production audio and video activities.

### **Radio Broadcasting**

**Course:** 5083 and 5084

**Grade Placement:** 11-12

**Prerequisite:** Audio/Video Production and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Students will learn how to produce and program a radio station in addition to being an “on-air” DJ throughout the majority of the course.

### **Practicum Audio/Video Production**

**Course:** 5093

**Grade Placement:** 12

**Prerequisite:** Advanced Audio/Video Production or Radio Broadcasting and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. Instruction will be delivered through lab-based classroom experiences.

### **Option 1**

#### **Video Production/TV**

**Course:** 5093

**Grade Placement:** 12

**Prerequisite:** Advanced Audio/Video Production and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

### **Option 2**

#### **Audio Production/Radio**

**Course:** 5093

**Grade Placement:** 12

**Prerequisite:** Radio Broadcasting and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

### **Animation**

**Course:** 5085

**Grade Placement:** 11-12

**Prerequisite:** Art 1, Digital & Interactive Media and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

### **Advanced Animation**

**Course:** 5086

**Grade Placement:** 12

**Prerequisite:** Animation and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video, Technology and Communications career cluster, students will be expected to create two- and three-dimensional animations.

### **Graphic Design and Illustration**

**Course:** 5087

**Grade Placement:** 11-12

**Prerequisite:** Art 1, Digital & Interactive Media and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

### **Advanced Graphic Design and Illustration**

**Course:** 5094

**Grade Placement:** 12

**Prerequisite:** Graphic Design and Illustration and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. 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 understanding of the industry with a focus on mastery of content knowledge and skills.





*Do you enjoy being a leader, organizing people, planning activities for others and talking with people? Do you like carrying through with an idea and seeing an end product? Are you interested in a fast-paced job leading to management? If the answer to these questions is “yes,” this may be the career path for you.*

## Career and Technical Education: Business Management and Administration

Course Name	Credits	Grade Levels	Prerequisites
<b>Principles of Business, Marketing, and Finance</b>	.5	9-12	None
<b>Business Information Management I</b>	1	9-12	None
<b>Business Information Management II Dual Credit (BCIS 1405)</b>	1	10-12	<b>Business Information Management I</b>
<b>Business Management</b>	1	10-12	None
<b>Business Law</b>	.5	11-12	None

### **Principles of Business, Marketing, and Finance**

**Course:** 5111  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

### **Business Information Management I**

**Course:** 5141  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Business Information Management develops technology skills with applications to personal or business situations focusing on: word processing, spreadsheets, data bases, telecommunication, desktop publishing, presentation management, networking, operating systems, and emerging technologies; and develops intermediate-level skills. The Microsoft IC3 Examination is possible upon successful completion of this course.

### **Business Information Management II Dual Credit (BCIS 1405)**

**Course:** 5142  
**Grade Placement:** 10-12  
**Prerequisite:** Business Information Management I  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

BIM II provides advanced technology skills required in the business environment; includes workplace technology standards in applications of word processing, spreadsheets,

data bases, telecommunications, desktop publishing, presentation management, networking, operating systems, and emerging technologies and develops advanced level skills. The Microsoft Office Specialist Examinations in Word, Excel and Power Point are possible upon successful completion of this course.

### **Business Law**

**Course:** 5190  
**Grade Placement:** 11-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

Students will analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency, and employment and real property.

### **Business Management**

**Course:** 5161  
**Grade Placement:** 10-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

This course will allow students to analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing, or leading and controlling. Students will develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees and entrepreneurs.



*Are you friendly, open, outgoing, understanding and cooperative? Do you like to work with people to solve problems? Are you interested in teaching, coaching and education? Is it important to you to do something that makes a difference? If you answered “yes” to these questions then Education and Training may be the career path for you.*

## Career and Technical Education: Education and Training

Course Name	Credits	Grade Levels	Prerequisites
<b>Principles of Education and Training</b>	<b>.5</b>	<b>9-12</b>	None
<b>Counseling and Mental Health</b>	<b>1</b>	<b>10-12</b>	<b>Principles of Human Services (offered in 8th grade)</b>
<b>Human Growth and Development</b>	<b>1</b>	<b>10-12</b>	None
<b>Instructional Practices in Education and Training</b>	<b>1</b>	<b>11-12</b>	<b>Principles of Education Training <i>and</i> Counseling &amp; Mental Health <i>or</i> Human Growth &amp; Development</b>
<b>Practicum in Education and Training</b>	<b>2</b>	<b>12</b>	<b>Instructional Practices in Education and Training <i>and</i> CTE Enrollment Request</b>

### **Principles of Education and Training**

**Course:** 5331

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

Students are introduced to careers available within the education and training career cluster, such as teaching, coaching, director, trainer, educational counseling, and educational administration. Students will create an educational/career plan for working within this career cluster and will begin building a career portfolio that will be developed throughout the education and training course path.

### **Counseling and Mental Health**

**Course:** 5281

**Grade Placement:** 10-12

**Prerequisite:** Principles of Human Services (offered in 8th grade)

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

This course is designed for students to model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Course content includes a focus on career opportunities in counseling and mental health, effective communication techniques, characteristics of various mental illnesses, and use of technology in the profession. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implication of their actions.

### **Human Growth and Development**

**Course:** 5282

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

### **Instructional Practices in Education and Training**

**Course:** 5332

**Grade Placement:** 11-12

**Prerequisite:** Principles of Education & Training *and* Counseling & Mental Health *or* Human Growth & Development

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

Students will develop knowledge, skills and experiences needed to work within the education and training career cluster. These may include child development theories, learning activities, program management, curriculum planning, teaching, and leadership. Students gain field experience at cooperative schools during assigned class time; placement rotations are utilized to allow students to have experiences in a full range of education career roles, grade levels, subject areas and ability groups. Students continue to build a career portfolio that will be developed throughout the education and training course path. Uniform fee may apply of no more than \$25.00.

**Practicum in Education and Training**

**Course:** 5333

**Grade Placement:** 12

**Prerequisite:** Inst. Practices in Ed. and CTE Enrollment Request

**Credit:** 2.0

**Site:** BHS, SHS (plus assigned elementary/middle school)  
This is the final course in the education and training career cluster. Students are assigned to a field-based internship which provides students with the opportunity to apply the knowledge and skills learned in previous courses in an assigned elementary/middle school classroom. Students will plan and direct student instruction as well work cohesively with assigned teacher four days a week. Uniform fee may apply of no more than \$25.00.



*Are you good with money? Do you like to work with numbers or ideas? Are you interested in personal money management? Are you good at mathematics? Do you pay attention to sequence and detail? Do you enjoy seeing an end product? This may be the career path for you!*

## Career and Technical Education: Finance

Course Name	Credits	Grade Levels	Prerequisites
Money Matters	.5	9-12	None
Principles of Business, Marketing, and Finance	.5	9-12	None
Accounting I	1	10-12	None
Accounting II	1	11-12	Accounting I

### Money Matters

**Course:** 5152  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

Student will learn how to make sound financial decisions through practice in credit, checking, savings, and various other personal finance topics. Students will set financial goals and learn to achieve them through investment planning, risk management, and retirement planning.

### Principles of Business, Marketing, and Finance

**Course:** 5111  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

### Accounting I

**Course:** 5121  
**Grade Placement:** 10-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Accounting I introduces general accounting concepts, principles and procedures; emphasizes the need for financial records; provides the fundamental equation and its application to accounting procedures, including the basic steps of the accounting cycle, special journals and ledgers, work sheets, adjusting and closing entries, special problems in the purchase and sale of merchandise, notes and interest, depreciation, accruals and prepaid items, payroll records personal income taxes. Develops the skills, knowledge and attitudes necessary for individuals to conduct personal business or to further an education in the field of accounting. Students complete practice sets or simulations, use calculators, and process data electronically.

### Accounting II

**Course:** 5131  
**Grade Placement:** 11-12  
**Prerequisite:** Accounting I  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Accounting II provides for review and further development of fundamental accounting principles with extensive use of technology. Examines characteristics of corporate organization and ownership, including investments and distribution of earnings; includes adjustments to bad debts, depreciation, depletion of fixed assets, adjusted and accrued income, various methods of inventory control, preparation of business budgets and notes receivable and payable; provides experience in initiating and maintaining an accounting system and in analyzing, interpreting and synthesizing managerial problems using accounting information as a tool.



Do you like to care for people or animals that are sick or help them stay well? Are you interested in diseases and how the body works? Can you pay attention to detail? If something puzzles you, do you seek more information? Are you conscientious and dependable? If “yes,” then Health Science might be the career path for you.

## Career and Technical Education: Health Science

Course Name	Credits	Grade Levels	Prerequisites
Principles of Health Science	1	9-12	None
Medical Terminology	.5	10-12	Biology
Anatomy and Physiology	1	11-12	(Biology, Chemistry Recommended)
Fire Fighter I Dual Credit (FIRT 1301)	2	11-12	Principles of Health Science, TCC admissions <u>and</u> CTE Enrollment Request
Medical Microbiology	.5	11-12	(Biology, Chemistry Recommended)
Pathophysiology	.5	11-12	(Biology, Chemistry Recommended)
Health Science—Clinical Rotation	2	11-12	Principles of Health Science, Transportation <u>and</u> CTE Enrollment Request
Practicum in Health Science: <i>Options</i> 1-Certified Nurse Assistant/Phlebotomy 2-Emergency Medical Technician* 3-Pharmacy Tech	2	12	Principles of Health Science <u>and</u> CTE Enrollment Request <b>*EMT and Firefighter must meet TCC admission standards</b>
4-Sports Medicine	2	11-12	Principles of Health Science <u>and</u> CTE Enrollment Request

### Principles of Health Science

**Course:** 5861  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

This course is designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical or work based experiences in the health care field. Full year completion satisfies the state graduation credit for health. The CPR card will cost the student approximately \$4.00.

### Medical Terminology

**Course:** 5811  
**Grade Placement:** 10-12  
**Prerequisite:** Biology  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

Medical Terminology is a course designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student’s ability to successfully secure employment or pursue advanced education in health care.

### Anatomy and Physiology

**Course:** 1371  
**Grade Placement:** 11-12  
**Prerequisite:** (Biology, Chemistry Recommended)  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Anatomy and Physiology is a comprehensive study of the structures and functions of the human body. This course will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations.

### Fire Fighter I Dual Credit (FIRT 1301)

**Course:** 5918  
**Grade Placement:** 11-12  
**Prerequisite:** Principles of Health Science, TCC admissions and CTE Enrollment Request  
**Credit:** 2.0  
**Site:** HCTC

Fire Fighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulation, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

**Medical Microbiology****Course:** 5841**Grade Placement:** 11-12**Prerequisite:** (Biology, Chemistry Recommended)**Credit:** .5**Site:** BHS, SHS, CTHS

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases.

**Pathophysiology****Course:** 5851**Grade Placement:** 11-12**Prerequisite:** (Biology, Chemistry Recommended)**Credit:** .5**Site:** BHS, SHS, CTHS

In this course students conduct laboratory investigations and fieldwork, use scientific methods and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

**Health Science / Clinical Rotation****Course:** 5862**Grade Placement:** 11-12**Prerequisite:** Principles of Health Science *and* CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

This course is designed to continue the student's exploration in the health science field through hands on application to include problem solving, mathematical conversions, and medical terminology communication. **Students will be required to show proof of a physical within the last year. Student shot records must be up to date including TB skin test.**

**Practicum in Health Science****Course:** Various (see options below)**Grade Placement:** 12**Prerequisite:** Principles of Health Science *and* CTE Enrollment Request**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Practicum is an occupationally specific course designed to provide knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry or continued education in health careers.

***There are 4 Options for Practicum:******Option 1*****Certified Nursing Assistant and Phlebotomy****Course:** 5863**Grade Placement:** 12**Prerequisite:** Principles of Health Science *and* CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)***Option 2*****Emergency Medical Technician Dual Credit (EMSP 1501 & 1160)****Course:** 5864**Grade Placement:** 12**Prerequisite:** Principles of Health Science, CTE Enrollment Request *and* TCC Admission Standards**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

***Option 3*****Pharmacy Tech.****Course:** 5865**Grade Placement:** 12**Prerequisite:** Principles of Health Science *and* CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)***Option 4*****Sports Medicine****Course:** 5866**Grade Placement:** 11-12**Prerequisite:** Principles of Health Science *and* CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)



*Do you like to cook? Know your way around a kitchen? Or want to learn? Do you enjoy serving others? Dream of opening a restaurant or bed and breakfast someday? If yes, then Hospitality and Tourism may be the right career path for you.*

## Career and Technical Education: Hospitality and Tourism

Course Name	Credits	Grade Levels	Prerequisites
Principles of Hospitality	.5	8-12	None
Lifetime Nutrition	.5	9-12	None
Culinary Arts	2	11-12	Lifetime Nutrition <i>or</i> Principles of Hospitality <i>and</i> CTE Enrollment Request
Practicum in Culinary Arts	2	12	Culinary Arts <i>and</i> CTE Enrollment Request
Restaurant Management	1	12	Culinary Arts <i>and</i> Enrollment in Practicum Culinary Arts

### Principles of Hospitality

**Course:** 5372

**Grade Placement:** 8-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS, EWMS, HMS, PVMS, CVMS, WMS

The hospitality and culinary arts industry maintains the largest national employment base in the private sector. In this course students will explore the many career opportunities in this field and gain introductory knowledge and skills needed to function effectively in various positions in this multifaceted industry.

### Lifetime Nutrition

**Course:** 5373

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills.

### Culinary Arts

**Course:** 5374

**Grade Placement:** 11-12

**Prerequisite:** Lifetime Nutrition *or* Principles of Hospitality and CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

This course begins with the fundamentals and principles of the art of cooking and the science of baking and includes

management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification or any other appropriate industry certification.

### Practicum in Culinary Arts

**Course:** 5376

**Grade Placement:** 12

**Prerequisite:** Culinary Arts *and* CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Practicum in Culinary Arts integrates academic and career and technical education; provides more 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.

### Restaurant Management

**Course:** 5375

**Grade Placement:** 12

**Prerequisite:** Culinary Arts *and* Enrollment in Practicum in Culinary Arts

**Credit:** 1.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service and operations. The course will provide insight into the operation of a well-run restaurant. (*May be taken with Practicum Culinary Arts; cannot be taken as a single class. Taking this class would mean that you are at the HCTC for 3 class periods a day.*)



*Do you have good interpersonal skills? Do you enjoy helping others? Do you enjoy working with a variety of people? Do you believe it is important for individuals to provide services and support for others? Do you find the following things fun and interesting? Hair? Makeup? Nails? Facials? If “yes”, then Human Services might be the career path for you!*

## Career and Technical Education: Human Services

Course Name	Credits	Grade Levels	Prerequisites
Principles of Human Services	.5	8-10	None
Cosmetology I	3	11	Principles of Human Services, CTE Enrollment Request <u>and</u> Transportation
Cosmetology II	3	12	Cosmetology I <u>and</u> Transportation

### Principles of Human Services

**Course:** 5371

**Grade Placement:** 8-10

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

This course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services.

### Cosmetology I

**Course:** 5611

**Grade Placement:** 11

**Prerequisite:** Principles of Human Services, CTE Enrollment Request and Transportation

**Credit:** 3.0

**Site:** Hollenstein Career and Technology Center (HCTC)

This two-year program provides students with job specific training for entry-level employment in cosmetology careers. It includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hairstyling, permanent waving, hair coloring, manicuring, facial massage, facial makeup, entrepreneurship, safety, leadership, and career opportunities. In the second year this program continues with information and skills necessary to prepare for the Texas State Licensing Board of Cosmetology exam.

### Cosmetology II

**Course:** 5621

**Grade Placement:** 12

**Prerequisite:** Cosmetology I and Transportation

**Credit:** 3.0

**Site:** Hollenstein Career and Technology Center (HCTC)





*Do you enjoy working with technology? Do most people think of you as analytical? Do you like figuring out what makes things work? Do you enjoy learning new software and technology? If you answered these questions affirmatively, this pathway may be the best one for you.*

## Career and Technical Education: Information Technology

Course Name	Credits	Grade Levels	Prerequisites
Principles of Information Technology	.5	9-12	None
Web Technologies	.5	9-12	Principles of Information Technology
Computer Technician	2	11-12	CTE Enrollment Request <i>and</i> Principles of Information Technology
Networking Technologies	2	11-12	CTE Enrollment Request

### Principles of Information Technology

**Course:** 5096

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

In this course students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will explore a variety of careers in IT, such as Computer Technician, Software Engineer, and Network Administrator. Hands on labs will include building a computer, install Windows and networking computers. In addition students will learn interpersonal skills to prepare for a rapidly evolving workplace environment.

### Web Technologies

**Course:** 5052

**Grade Placement:** 9-12

**Prerequisite:** Principles of Information Technology

**Credit:** .5

**Site:** BHS, SHS, CTHS

Through the study of web technologies (HTML, XML, CSS, etc.) and design, students learn to make informed decisions and apply the decisions to the field of information technology.

### Computer Technician

**Course:** 5097

**Grade Placement:** 11-12

**Prerequisite:** CTE Enrollment Request and Principles of Information Technology

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

In this course students will gain knowledge and skills in the area of computer technologies including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service and repair of computer-based technology systems. The course prepares students for the A+ certification.

### Networking Technologies

**Course:** 5092

**Grade Placement:** 11-12

**Prerequisite:** CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

This course continues the study of networking technologies. This high-tech learning environment provides students the knowledge and experience to enter the workforce and/or further their education and training in the computer-networking field. Students work in a lab to prepare for industry certifications.



Is it important to you to help others? Do you enjoy working with a variety of people? Do you like to work with people to help solve problems? Do you think protecting individuals and their possessions is important? If you answered “yes,” to many of these questions you might consider Law and Public Safety as your career path.

## Career and Technical Education: Law, Public Safety, Corrections, and Security

Course Name	Credits	Grade Levels	Prerequisites
<b>Principles of Law, Public Safety, Corrections and Security</b>	.5	9-12	None
<b>Fire Fighter I Dual Credit (FIRT 1301)</b>	2	11-12	<b>Principles of Health Science, TCC admissions <u>and</u> CTE Enrollment Request</b>
<b>Forensic Science (take with HCTC course)</b>	1	11-12	<b>Biology, Chemistry, Enrollment in HCTC course <u>and</u> CTE Enrollment Request</b>
<b>Forensic Science-Accelerated</b>	1	11-12	<b>Biology, Chemistry, ability to have two consecutive class periods <u>and</u> CTE Enrollment Request</b>
<b>Law Enforcement I</b>	2	11-12	<b>Principles of Law , Public Safety, Corrections and Security <u>and</u> CTE Enrollment Request</b>
<b>Law Enforcement II</b>	2	12	<b>Law Enforcement I <u>and</u> CTE Enrollment Request</b>
<b>Court Systems and Practices</b>	2	12	<b>Law Enforcement I <u>and</u> CTE Enrollment Request</b>

### **Principles of Law, Public Safety, Corrections, and Security**

**Course:** 5910

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

The students will be introduced to professions in law enforcement, security, corrections and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills and knowledge, such as ethics, origins of law, constitutionality, jurisdiction, courtroom procedures, and responsibilities of first responders necessary for careers in law enforcement, fire service, security and corrections.

### **Fire Fighter I Dual Credit (FIRT 1301)**

**Course:** 5918

**Grade Placement:** 11-12

**Prerequisite:** Principles of Health Science, TCC admissions and CTE Enrollment Request

**Credit:** 2.0

**Site:** HCTC

Fire Fighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on

Fire Protection rules and regulation, proper incident reporting and records, proper use of personal protections equipment and the principles of fire safety.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

### **Forensic Science ( taken w/HCTC course)**

**Course:** 5912

**Grade Placement:** 11-12

**Prerequisite:** Biology, Chemistry, Enrollment in Law Enforcement I or other class held at HCTC and CTE Enrollment Request

**Credit:** 1.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. (Only students that will be at the HCTC for 2 periods may take this course.)

**Students may fulfill their 4th science requirement by taking Forensic Science**

**Forensic Science-Accelerated****Course:** 5911**Grade Placement:** 11-12**Prerequisite:** Biology, Chemistry *and*  
CTE Enrollment Request**Credit:** 1.0 (two consecutive class periods)**Site:** Hollenstein Career and Technology Center (HCTC)

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.

**\*This course meets for 2 periods a day. Students will complete the year long course in one semester.**

Students may fulfill their 4th science requirement  
by taking Forensic Science

**Law Enforcement I****Course:** 5913**Grade Placement:** 11-12**Prerequisite:** Principles of Law , Public Safety,  
Corrections and Security *and* CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

This course is an overview of the history, organization and functions of local, state and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and classification and elements of crime.  
(Course may be taken with Forensic Science)

**Law Enforcement II****Course:** 5914**Grade Placement:** 12**Prerequisite:** Law Enforcement I *and*  
CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

This course provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. This course prepares students for 911 dispatch certification.

**Court Systems and Practices****Course:** 5915**Grade Placement:** 12**Prerequisite:** Law Enforcement I *and*  
CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

This course is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.



*Do you like to work with your hands? Do you like to work with people and things? Do you enjoy problem solving and creative thinking? Are you curious about how things work? Do you like to repair or make things? Can you apply math and science concepts? If “yes,” this may be the career pathway for you.*

## Career and Technical Education: Manufacturing

Course Name	Credits	Grade Levels	Prerequisites
Principles of Manufacturing	.5	9-12	None
Manufacturing Engineering	2	11-12	CTE Enrollment Request <i>and</i> Principles of Manufacturing
Welding	2	11-12	CTE Enrollment Request <i>and</i> Principles of Manufacturing
Advanced Welding	2	12	Welding <i>and</i> CTE Enrollment Request

### Principles of Manufacturing

**Course:** 5521

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS

The students will gain introductory knowledge and skills in the application, design, production and assessment of products, services and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing technology allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.

### Manufacturing Engineering

**Course:** 5523

**Grade Placement:** 11-12

**Prerequisite:** CTE Enrollment Request *and* Principles of Manufacturing

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

The students will gain knowledge and skills in the application, design, production and assessment of products, services and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of Manufacturing Engineering, the design of technology, efficient manufacturing technology, and the assessment of the effects of production technology prepare students for success in the global economy.

### Welding

**Course:** 5524

**Grade Placement:** 11-12

**Prerequisite:** CTE Enrollment Request *and* Principles of Manufacturing

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

Welding provides the knowledge, skills and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. This course prepares students for the American Welding Society level one certification.

### Advanced Welding

**Course:** 5525

**Grade Placement:** 12

**Prerequisite:** Welding *and* CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course supports integration of academic and technical knowledge and skills.

This course prepares students for the American Welding Society level one certification.



*Do you enjoy being a leader, organizing people, planning activities and talking with people? Do you enjoy selling an idea or product? Do you like to work with numbers or ideas? Do you like to make new ideas work? Do you often show initiative? If you answered “yes,” to these questions, this may be the career path for you!*

## Career and Technical Education: Marketing

Course Name	Credits	Grade Levels	Prerequisites
<b>Principles of Business, Marketing, and Finance</b>	.5	9-12	None
<b>Advertising and Sales</b>	.5	9-12	None
<b>Fashion Marketing</b>	.5	9-12	None
<b>Sports &amp; Entertainment</b>	.5	9-12	None
<b>Entrepreneurship</b>	1	10-12	None

### Principles of Business, Marketing, and Finance

**Course:** 5111  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

This is an introductory course where students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

### Advertising and Sales

**Course:** 5156  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

In Advertising and Sales the students will discover the importance of marketing as well as the functions of marketing and the relationship of business and society. Students will study marketing research to determine effective selling techniques and integrate research results into advertising campaigns consisting of various advertising media. Through the use of technology, students will develop and present advertising campaigns.

### Fashion Marketing

**Course:** 5361  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

This course is designed to provide students with the knowledge of functions in the fashion industry. Students will gain a working knowledge of promotion, textiles,

merchandising, selling, visual merchandising, and career opportunities.

### Sports and Entertainment

**Course:** 5112  
**Grade Placement:** 9-12  
**Prerequisite:** None  
**Credit:** .5  
**Site:** BHS, SHS, CTHS

This course will cover basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans.

### Entrepreneurship

**Course:** 5113  
**Grade Placement:** 10-12  
**Prerequisite:** None  
**Credit:** 1.0  
**Site:** BHS, SHS, CTHS

Students in Entrepreneurship will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, using research, and promoting the business.



*Do you like math and science classes? Do most people see you as analytical? Do you like to figure out what makes things work? Do you like to use your hands to build things or work with materials? Are you interested in a career in the sciences? If the answer to these questions is “yes,” this may be the career pathway for you!*

## Career and Technical Education: Science, Technology, Engineering, and Mathematics (STEM)

Course Name	Credits	Grade Levels	Prerequisites
Concepts of Engineering and Technology	.5	8-12	None
Engineering Design and Presentation	1	9-12	Concepts of Engineering <i>and</i> completion/concurrent enrollment of Geometry
Advanced Engineering-Aeroscience	2	11-12	Concepts of Engineering, Physics <i>and</i> CTE Enrollment Request.
Engineering Mathematics	1	11-12	Algebra II
Manufacturing Engineering	2	11-12	CTE Enrollment Request <i>and</i> Principles of Manufacturing
Robotics and Automation	2	11-12	Concepts of Engineering or Completion / concurrent enrollment of Physics; CTE Enrollment Request

### Concepts of Engineering and Technology

**Course:** 5551

**Grade Placement:** 8-12

**Prerequisite:** None

**Credit:** .5

**Site:** BHS, SHS, CTHS, CMS, EWMS, HMS, PVMS, WMS

This course provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects.

### Engineering Design and Presentation

**Course:** 5552

**Grade Placement:** 9-12

**Prerequisite:** Concepts of Engineering *and* completion/concurrent enrollment of Geometry

**Credit:** 1.0

**Site:** BHS, SHS, CTHS

Using 3-D computer modeling software, students learn the design process and they solve design problems as they develop, analyze, and create product models.

### Advanced Engineering-Aeroscience

**Course:** 5553

**Grade Placement:** 11-12

**Prerequisite:** Concepts of Engineering, Physics *and* CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Students will experience hands-on research through design and development projects within the engineering industries. During this class students will design and develop remotely operated vehicles and unmanned aerial vehicles for research and industrial applications.

Students receive one credit of Scientific Research and Design and one credit of Engineering Design and Problem Solving (may fulfill 4th science credit)

**Engineering Mathematics****Course:** 5557**Grade Placement:** 11-12**Prerequisite:** Algebra II**Credit:** 1.0**Site:** Hollenstein Career and Technology Center (HCTC)

This class can count as a 4th year math class. Students solve and model robotic design problems using mathematical methods and models to represent and analyze problems including spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, and robotics with computer programming.

**Students may fulfill their 4th math requirement  
by taking Engineering Mathematics**

**Manufacturing Engineering****Course:** 5523**Grade Placement:** 11-12**Prerequisite:** CTE Enrollment Request *and* Principles of Manufacturing**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

The students will gain knowledge and skills in the application, design, production and assessment of products, services and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of Manufacturing Engineering, the design of technology, efficient manufacturing technology, and the assessment of the effects of production technology prepare students for success in the global economy.

**Robotics and Automation****Course:** 5554**Grade Placement:** 11-12**Prerequisite:** Concepts of Engineering *and* Completion/ concurrent enrollment of Physics; CTE Enrollment Request**Credit:** 2.0**Site:** Hollenstein Career and Technology Center (HCTC)

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their design. Additionally, students explore career opportunities, employer expectations, and education needs in the robotic and automation industry.



Do you like working with your hands? Do you like to manage and schedule people and activities? Are you curious about how things work? Do you like to repair or make things? Do you enjoy working on cars, trucks, airplanes, engines or machines? Can you see a problem through to its solution? If “yes,” this may be your career path!

**Career and Technical Education: Transportation, Distribution, and Logistics**

Course Name	Credits	Grade Levels	Prerequisites
Automotive Technology	2	11-12	CTE Enrollment Request
Advanced Automotive Technology	2	12	Automotive Technology <i>and</i> CTE Enrollment Request
Advanced Aircraft Technology/Aircraft Mechanic Dual Credit <i>First year students</i> (AERM 1310 & 1314-Fall) (AERM 1303 & 1315-Spring)	3	11-12	TCC Admission Standards <i>and</i> Must provide own transportation to Tarrant County College Northwest Campus
Practicum TDL-Aircraft Technology/Aircraft Mechanic Dual Credit <i>Second year students</i> (AERM –1345 Fall) (AERM –1349 Spring)	3	12	TCC Admission Standards <i>and</i> Must provide own transportation to Tarrant County College Northwest Campus

**Automotive Technology**

**Course:** 5633

**Grade Placement:** 11-12

**Prerequisite:** CTE Enrollment Request and Principles of Transportation, Distribution, and Logistics

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Automotive Technology includes knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance and diagnosis of vehicle systems.

**Advanced Automotive Technology**

**Course:** 13039700

**Grade Placement:** 12

**Prerequisite:** Automotive Technology *and* CTE Enrollment Request

**Credit:** 2.0

**Site:** Hollenstein Career and Technology Center (HCTC)  
Advanced Automotive Technology includes advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.

**Advanced Aircraft Technology Dual Credit**

*First year students in the Aircraft program will take the following courses.*

(AERM 1310 & 1314 Fall) (AERM 1303 & 1315 Spring)

**Course:** 5634

**Grade Placement:** 11-12

**Prerequisite:** TCC Admission Standards, Principles of Transportation, Distribution, & Logistics *and* CTE  
Must provide own transportation to TCC Northwest Campus

**Credit:** 3.0

**Site:** TCC Northwest

Advanced Aircraft Technology is designed to provide job- specific training for entry-level employment in the highly technical career field of aircraft mechanics. Instruction includes aircraft electrical and electronic systems, service and repair of hydraulic systems, engines, airframes, and rigging. This is a dual credit course offered at the Tarrant County College Northwest campus. Successful completion of both semesters will result in the awarding of 12 hours of college credit.

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**



**Practicum in Transportation, Distribution, and Logistics - Aircraft Technology Dual Credit**

Second year students in the Aircraft program will take the following courses.

(AERM –1345 Fall)

(AERM –1349 Spring)

**Course:** 5635

**Grade Placement:** 12

**Prerequisite:** -TCC Admission Standards and

Must provide own transportation to  
Tarrant County College Northwest  
Campus

**Credit:** 3.0

**Site:** TCC Northwest

**Students must register and pay for the courses and books through Tarrant County College, Northwest Campus.**

## Communications

Course Name	Credits	Grade Levels	Prerequisites
<b>Professional Communications</b>	<b>.5</b>	<b>9-12</b>	<b>None</b>
<b>Debate I</b>	<b>1</b>	<b>9-12</b>	<b>None</b>
<b>Debate II</b>	<b>1</b>	<b>10-12</b>	<b>Debate I</b>
<b>Debate III</b>	<b>1</b>	<b>11-12</b>	<b>Debate II</b>
<b>Oral Interpretation I</b>	<b>1</b>	<b>10-12</b>	<b>None</b>

### Professional Communications

**Course:** 5088

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. 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.

**\*Students planning to continue in the AVID program should not register for the Professional Communications course. Students in AVID II will receive their Professional Communications credit at the end of the second semester upon successful completion of the course.**

### Debate I

**Course:** 1101

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

This course concentrates on argumentation and debate strategies. The current national topic and various other social issues will be debated. Organization, thinking and performance under pressure are skills that will be developed. The accrued abilities of reading, writing, listening, speaking and analyzing may be tested through competitive debate. Students should have strong reading and writing skills. Participation in individual speaking and debate contests is strongly encouraged.

### Debate II

**Course:** 1102

**Grade Placement:** 10-12

**Prerequisite:** Debate I

**Credit:** 1

This course develops further the topics covered in Debate I. Students will study specific formats and forums for debate, the processes of logic and critical thinking. Competitive debate will provide practice of written and oral argument, listening, speaking and analyzing. Participation in individual speaking and debate contests is required.

### Debate III

**Course:** 1103

**Grade Placement:** 11-12

**Prerequisite:** Debate II

**Credit:** 1

This course continues the development of topics studied in Debate II. Students will have the opportunity to specialize in a specific debate format, to continue studying the processes of logic and critical thinking, and to explore a variety of popular philosophies. Participation in individual speaking and debate contests is required.

### Oral Interpretation I

**Course:** 1120

**Grade Placement:** 9-12

**Prerequisite:** Teacher Approval/Audition

**Credit:** 1

In this course, students study the oral reading or performance of a literary text as a form of communication art. Students select, research, analyze, adapt, interpret, and perform literary texts and focus on the intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events require time outside of school

## Fine Arts: Art

Course Name	Credits	Grade Levels	Prerequisites
Art I	1	8-12	None
Art I Pre-AP	1	9-11	Teacher Recommendation
Art II Drawing	1	9-12	Successful Completion of Art I
Art II Drawing Pre-AP	1	9-12	Successful Completion of Art I Pre-AP or Teacher Recommendation
Art II Photography	1	9-12	Successful Completion of Art I
Art II Sculpture	1	9-12	Successful Completion of Art I
Art III Drawing Pre-AP	1	10-12	Successful completion of Pre-AP Art I and Pre-AP Art II, Portfolio, and/or Teacher Recommendation
Art III Graphic Design Pre-AP	1	10-12	Art II Pre-AP or Teacher Recommendation
Art III Photography Pre-AP	1	10-12	Successful Completion of Art II Photography, Portfolio, and/or Teacher Recommendation
Art III Sculpture Pre-AP	1	10-12	Successful Completion of Art II Sculpture, Portfolio, and/or Teacher Recommendation
Art IV Studio Art-Drawing Portfolio AP	1	11-12	Successful Completion of Art III Drawing Pre-AP and/or Teacher Recommendation
Art IV 2-D Design Portfolio AP	1	11-12	Successful Completion of Art III Drawing Pre-AP and/or Teacher Recommendation

### Art I

**Course:** 2010

**Grade Placement:** 8-12

**Prerequisite:** None

**Credit:** 1

The first semester of Art I will introduce the student to drawing and color study using the elements and principles of design. Drawing will consist of sequential learning steps with emphasis on developing value skills. Color studies will include but not be restricted to using water base paint. The second semester, which builds on first semester skills, will include the study of painting, printmaking, sculpture, and ceramics. Printmaking will involve relief printing; sculpture will include additive construction; and ceramics will consist of hand building methods of pinch, coil, and slab. During both semesters art past and contemporary masterpieces will be part of most units.

*\*Art I is basic to all other art courses. Therefore, all students wishing to take Art II or higher level courses must have successfully completed Art I.*

### Art I Pre-AP

**Course:** 2015

**Grade Placement:** 9-11

**Prerequisite:** Teacher Recommendation

**Credit:** 1

The Art Pre-AP curriculum will follow the College Board directives of the Advanced Placement General and Drawing Portfolio requirements. Art I Pre-AP provides learning opportunities for 9<sup>th</sup> and 10<sup>th</sup> grade students beyond those available in the regular Art I class by extending the state essential knowledge and skills through drawing and color study (first semester). Students also learn what will be expected of them for the AP Portfolio Examination. The second semester focuses on painting, printmaking, sculpture, and ceramics.

### Art II Drawing

**Course:** 2020

**Grade Placement:** 9-12

**Prerequisite:** Successful Completion of Art I

**Credit:** 1

The first semester of Art II Drawing is designed to continue a sequential study of drawing and colored media. Formal compositions will be completed in realistic, abstract, and non-objective styles. Art history/appreciation

will be part of each study. Second semester, which builds on first semester skills, will include painting, printmaking techniques, and three-dimensional studies. Students will build upon skills learned in Art I in sculpture and ceramics. Art history/appreciation also will be linked to each unit.

### **Art II Drawing Pre-AP**

**Course:** 2025

**Grade Placement:** 9-12

**Prerequisite:** Successful Completion of Art I Pre-AP or Teacher Recommendation

**Credit:** 1

The Art II Drawing Pre-AP curriculum is designed to spiral and expand the Art I or Art I Pre-AP curriculum. The Art II Pre-AP course work follows College Board outlines for Advanced Placement General and Drawing Portfolios. Students will apply the elements and principles of art in all compositions to a greater proficiency than other Art II students as well as connect art history and criticism to those productions. Students will develop skills in drawing and color theory application beyond the average Art II student as they continue reviewing requirements of the AP examination. Second semester extends learning through higher expectations in painting, printmaking, sculpture, and ceramics. **Art II Pre-AP is an honors credit class recommended for students seriously looking at a visual art career.**

### **Art II Photography**

**Course:** 2050

**Grade Placement:** 9-12

**Prerequisite:** Successful Completion of Art I

**Credit:** 1

In this course students will strengthen art skills through the study of design and composition. The focus of this course is photography, both film and digital. Students will learn to compose photographs in an artistic manner, develop film and print photographs. Artistic awareness, critical thinking, imaginative expression, appreciation of art culture and aesthetic judgment are emphasized.

### **Art II Sculpture**

**Course:** 2071

**Grade Placement:** 9-12

**Prerequisite:** Successful Completion of Art I

**Credit:** 1

Sculpture II includes objective and nonobjective three-dimensional assignments. Construction skills and classical techniques are an integral part of each assignment. Students will use various medias including wood and clay.

### **Art III Drawing Pre-AP**

**Course:** 2035

**Grade Placement:** 10-12

**Prerequisite:** Successful completion of Pre-AP Art I and Pre-AP Art II, Portfolio, and/or Teacher Recommendation

**Credit:** 1

Art III Pre-AP is an advanced studio course for the college-bound and career-oriented student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on advanced drawing and painting styles, 2-D and 3-D design, and color study. Computer manipulated works are incorporated into the curriculum. Students will compile portfolios that fulfill current College Board requirements.

### **Art III Graphic Design Pre-AP**

**Course:** 2053

**Grade Placement:** 10-12

**Prerequisite:** Art II Pre-AP or Teacher Recommendation

**Credit:** 1

This is a course to begin addressing a very broad interpretation of two-dimensional design issues. This course is intended to prepare students to develop specific design skills that could be used to help them develop as AP Design Portfolio. Students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms. These could include, but are not limited to, graphic design typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking.

### **Art III Photography Pre-AP**

**Course:** 2055

**Grade Placement:** 10-12

**Prerequisite:** Successful Completion of Art II Photography

**Credit:** 1

In this course students will further develop art skills through the study of design and composition in photography. Artistic awareness, critical thinking, imaginative expression, appreciation of art culture and aesthetic judgment are emphasized.

### **Art III Sculpture Pre-AP**

**Course:** 2075

**Grade Placement:** 10-12

**Prerequisite:** Successful Completion of Art II Sculpture

**Credit:** 1

This third-year course is an in-depth study of sculpture and will challenge the students with problems on an advanced level. Students will develop a personal style and demonstrate effective use of selected sculptural media in solving special three-dimensional problems and assignments.

#### **Art IV Studio Art-Drawing Portfolio AP**

**Course:** 2045

**Grade Placement:** 11-12

**Prerequisite:** Successful completion of Pre-AP Art III Drawing and/or Teacher Approval

**Credit:** 1 and College Credit if Score of Portfolio Meets Minimum Requirements

In this course students will address a very broad interpretation of drawing issues and media. Students will explore drawing issues such as light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth through a variety of two-dimensional media. **All students are expected to submit a portfolio for Advanced Placement review.**

#### **2-D Design Portfolio AP**

**Course:** 2065

**Grade Placement:** 11-12

**Prerequisite:** Successful completion of Pre-AP Art III Drawing and/or Teacher Approval

**Credit:** 1

In this course students will address two-dimensional design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. Students are expected to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. **All students are expected to submit a portfolio for Advanced Placement review.**

## Fine Arts: Dance

Course Name	Credits	Grade Levels	Prerequisites
Dance I/Aerobic Activities	2	9-12	None
Dance II	1	10-12	Dance I and Teacher Approval
Dance/Drill Team I-IV	1	9-12	Competitive Tryout

### Dance I/Aerobic Activities

**Course:** 3310

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 2

Dance I will explore various styles of dance including ballet, lyrical, jazz, hip hop, and others. In addition to learning a variety of routines and combinations, students will cover the fundamentals, technique, vocabulary, and history of each dance style. Creativity and expression will be encouraged through student choreography, both individually and as a group. The class will consist of both physical and written activities.

**Beginning in the 2011-2012 school year, the Texas Essential Knowledge and Skills for aerobic activities is embedded in the Dance I course to allow students to earn physical education credit upon successful completion of each semester. A grade of "P" (Passing) will be recorded on a student's transcript for Aerobic Activities.**

★ *Awarding of the aerobic activities credit is dependent upon teacher certification in both physical education and fine arts and is subject to change.*

### Dance II

**Course:** 3320

**Grade Placement:** 10-12

**Prerequisite:** Dance I and Teacher Approval

**Credit:** 1

Dance II refines skills acquired in Dance I, while introducing students to new and challenging elements and skills. Dance II is an intermediate to advanced level dance class. Students have prior knowledge of dance elements, theory, technique and terminology.

### Dance/Drill Team

**Course:** 3331

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**Grade Placement:** 9-12

**Prerequisite:** Competitive Tryout

**Credit:** 1 each

Dance Team is a precision dance/drill team that performs at athletic events and other school and community functions. Dance Team specializes in jazz, high kick, precision pom, hip hop, lyrical, and modern dance styles. The Dance Team travels and competes at the regional, state, and national level. Membership is determined through auditions in the spring.

**Students in dance/drill team also receive .5 credit PE Substitution Drill Team in the fall up to 1 credit for participation in extracurricular (after school) activity.**

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## Fine Arts: Music (Choral /Instrumental)

Course Name	Credits	Grade Levels	Prerequisites
<b>Choir I</b>	<b>1</b>	<b>9-12</b>	<b>None</b>
<b>Choir II-IV</b>	<b>1 each</b>	<b>10-12</b>	<b>Audition Only</b>
<b>Vocal Ensemble I-IV</b>	<b>1 each</b>	<b>9-12</b>	<b>Concurrent Enrollment in a Choir Course, Audition and Director Approval</b>
<b>Band I-IV</b>	<b>1 each</b>	<b>9-12</b>	<b>Previous Year's Band Experience</b>
<b>Jazz Ensemble I-IV</b>	<b>1 each</b>	<b>9-12</b>	<b>Concurrent Enrollment in a Band Course, Audition, or Director Approval</b>
<b>Music Theory AP</b>	<b>1</b>	<b>11-12</b>	<b>Strong Background in Music Theory Concurrent Enrollment in Band, Choir or Outside Instrumental Music Classes</b>

### Choral Music

#### Choir I

**Course:** 2210

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

A training choir for students with little to no choral experience. Basics of choral singing, basic theory and music fundamentals will be studied. Students will be encouraged to participate in auditions for a performing choir at the end of the course.

#### Choir II

**Course:** 2242

#### Choir III

**Course:** 2243

#### Choir IV

**Course:** 2244

**Grade Placement:** 10-12

**Prerequisite:** Audition Only

**Credit:** 1 each

These choir classes emphasize choral singing, music theory, listening and performance. Repertoire includes: traditional choral music and music of all style periods and genres. 9th, 10th, 11th and 12th grade students will comprise various classes according to achievement levels checked by audition. The classes may be composed of all males or all females, or they may be mixed according to number and distribution of voices available. The performing groups include Treble Choir, Men's Choir, Select Women's Choir, and Varsity Mixed Choir. These groups may participate in UIL competition. Concert performances are required.

#### Vocal Ensemble I

**Course:** 2251

#### Vocal Ensemble II

**Course:** 2252

#### Vocal Ensemble III

**Course:** 2253

#### Vocal Ensemble IV

**Course:** 2254

**Grade Placement:** 9-12

**Prerequisite:** Concurrent Enrollment in a Choir Course, Audition and Director Approval

**Credit:** 1 each

These choir classes emphasize choral singing, music theory, listening and performance. Repertoire includes: traditional choral music and music of all style periods and genres. 9th, 10th, 11th and 12th grade students will comprise various classes according to achievement levels checked by audition. The classes may be composed of all males or all females, or they may be mixed according to number and distribution of voices available. The performing groups include Treble Choir, Men's Choir, Select Women's Choir, and Varsity Mixed Choir. These groups may participate in UIL competition. Concert performances are required.

# Instrumental Music

## Band I

**Course:** 2311

## Band II

**Course:** 2312

## Band III

**Course:** 2313

## Band IV

**Course:** 2314

**Grade Placement:** 9-12

**Prerequisite:** Previous Year's Band Experience

**Credit:** 1 each

Students in band have the opportunity to further their fundamental skills on an instrument and enhance their musical understanding, while also preparing specific musical programs throughout the year. Enrollment in band also promotes: mental and physical discipline, good citizenship through group endeavor, cultural growth, and an enhanced ability to form musical value judgments through critical listening. Students will participate in both the marching band **AND** a concert band ensemble as assigned by the Director of Bands. Students enrolling in band should have been enrolled in band at their respective school in the previous year. Attendance is mandatory at all rehearsals and performances.

**Students in marching band also receive .5 credit PE Substitution Marching Band in the fall up to 1 credit for participation in extracurricular (after school) activity.**

## Jazz Ensemble I

**Course:** 2351

## Jazz Ensemble II

**Course:** 2352

## Jazz Ensemble III

**Course:** 2353

## Jazz Ensemble IV

**Course:** 2354

**Grade Placement:** 9-12

**Prerequisite:** Concurrent Enrollment in a Band Course or Teacher Approval

**Credit:** 1 each

Students in Jazz Ensemble perform a variety of jazz literature including traditional swing, Latin, and rock/funk styles. Students will be exposed to and perform elementary improvisation both individually and in the ensemble. The Jazz Ensemble gives several concerts, performs in competition, and plays civic concerts throughout the year. Attendance is required at all rehearsals and performances. Membership requires a high degree of musical skill and personal discipline. Students performing on a traditional instrument (Saxophone, Trumpet, Trombone, Percussion) must be enrolled in a Band class *in addition* to the Jazz Ensemble course.

Students performing non-traditional instruments (Piano, Guitar, Bass) must receive director approval before enrolling.

## Music Theory AP

**Course:** 2375

**Grade Placement:** 11-12

**Prerequisite:** Strong Background in Music Theory  
Concurrent Enrollment in Band, Choir or  
Outside Instrumental Music Classes.

**Credit:** 1

Students will learn and understand the essential components and function of written music. The content of this course comprises knowledge of the basic musical elements, principles of melody writing, functions of harmony, exposure to different musical textures, and how each of these aspects are connected to form what we know as music. This course is designed to prepare students for the music theory curriculum of an undergraduate music degree, while also giving students the opportunity for producing, understanding, and enhancing their own musical compositions. Students should have a basic knowledge of reading music and have acquired basic performance skills in voice or an instrument prior to enrolling in the course. **Students who take Music Theory AP are expected to take the Advanced Placement Exam.**

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## Fine Arts: Theatre

Course Name	Credits	Grade Levels	Prerequisites
Theatre Arts I	1	9-12	None
Theatre Arts II	1	10-12	Theatre Arts I and Teacher Approval
Theatre Arts III-IV	1 each	11-12	Theatre Arts II and Teacher Approval
Technical Theatre I	1	9-12	Teacher Approval
Technical Theatre II-IV	1 each	10-12	Teacher Approval
Theatre Production I-III	1 each	9-12	Theatre Arts I and Teacher Approval
Theatre Production IV (Musical Theatre)	1	9-12	Theatre Arts I or Choir and Teacher Approval

### Theatre Arts I

**Course:** 2110

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

This course is an introductory class for beginning theatre students. The course offers the student a chance to explore the world of theatre through units in theatre history, voice and diction, pantomime, improvisation, and play structure. This student is given opportunities to analyze scripts, write original monologues, perform in duet scenes, and learn basic characterization techniques and become familiar with important stage terminology.

**Students who were in Theatre in 8th grade and who have auditioned/interviewed will be placed in Theatre Arts I Select upon teacher approval.**

### Theatre Arts II

**Course:** 2120

**Grade Placement:** 10-12

**Prerequisite:** Theatre Arts I and Teacher Approval

**Credit:** 1

This intermediate course extends on the student's training in Theatre I by offering more advanced studies in script analysis, acting theories, play writing, and directing skills. The class also explores advanced characterization in both classical and contemporary styles.

### Theatre Arts III

**Course:** 2140

**Theatre Arts IV**

**Course:** 03250400

**Grade Placement:** 11-12

**Prerequisite:** Theatre Arts II and Teacher Approval

**Credit:** 1

This class is offered to the dedicated theatre student who wishes to take his/her acting skills to the next level. The course is designed for those advanced students who are seeking to work in a university theatre program, community theatre, or even a career in theatre, Radio/ TV or Film. These students are offered an opportunity to utilize the acting theories used in many colleges and universities, a chance to perform their own productions, and a unit designed to improve college audition skills and portfolios.

### Technical Theatre I

**Course:** 2131

**Grade Placement:** 10-12

**Prerequisite:** Teacher Approval

**Credit:** 1

Students in this elective course will focus on concepts and skills in theatre production. Topics to be covered include properties, lighting, costumes, makeup, sound, and stage craft skills. Aesthetic growth through appreciation of theatrical events is also stressed. Students will construct sets and handle the technical aspects of dramatic and musical performance at the school. Attendance at some evening events is required.

**Technical Theatre II****Course:** 2132**Technical Theatre III****Course:** 2133**Technical Theatre IV****Course:** 2134**Grade Placement:** 10-12**Prerequisite:** Teacher Approval**Credit:** 1

This course is for those theatre students wishing to work behind the scenes of a production. "Hands on" training is offered in areas of set design and construction, set painting, stage lighting and design, stage make-up techniques, prop construction, house management, publicity design, set design, and stage management. This class is responsible for the technical elements that go into all of the Boswell theatre productions as well as those of other performance groups on campus as well as the community.

**Theatre Production I****Course:** 2161**Theatre Production II****Course:** 2162**Theatre Production III****Course:** 2163**Grade Placement:** 9-12**Prerequisite:** Theatre Arts 1 and Teacher Approval**Credit:** 1

Students may earn credit for Theater Production by participating in theatrical productions, such as but not limited to; the fall play, the annual musical, and UIL-OAP competition. Students may also get credit by special arrangement with the teacher. Theatre Production is after school ONLY; it is not offered as a class during the school day. Students must provide their own transportation and after school and evening rehearsals are required. Participation in public performance is required!

**Theatre Production IV (Musical Theatre)****Course:** 2164**Grade Placement:** 9-12**Prerequisite:** Theatre Arts I or Choir and  
Teacher Approval**Credit:** 1

In this course the student will develop skills necessary to become a "triple threat" performer, which is a proficiency in singing, acting, and dancing. The students will gain a comprehensive understanding of the process involved in creating a musical production from the inception to performances. The student will also recognize the importance of all aspects of the history of American musical theatre and musical theatre productions. After school rehearsal is a requirement during productions. The opportunity will also be extended to perform for the elementary and middle schools. This course combines and builds upon skills learned in theatre classes as well as choral music classes.

## Health/Physical Education

Course Name	Credits	Grade Levels	Prerequisites
<b>Health Education</b>	.5	8-12	None
<b>Aerobic Activities (with Dance I)</b>	2	9-12	Students Must Register for Dance I
<b>Cheerleading (Substitution Credit /After School Participation Only)</b>	.5-1	9-12	Competitive Tryouts
<b>Cheerleading (Gymnastics)</b>	1	9-12	Competitive Tryouts
<b>Foundations of Personal Fitness (Boy's or Girl's)</b>	1	9-12	None
<b>Adventure/Outdoor Education</b>	1	9-12	(Foundations of Personal Fitness Recommended)
<b>Individual/Team Sports</b>	1	10-12	(Foundations of Personal Fitness Recommended)

### Health Education

**Course:** 1810

**Grade Placement:** 8-12

**Prerequisite:** None

**Credit:** .5

The course enables each student to develop an understanding of the attitudes and habits that are conducive to healthful living. The Health education class will help students develop skills that will make them health-literate adults. Students will use problem-solving, research, goal-setting and communication skills to protect their health and that of the community.

### Aerobic Activities (with Dance I)

**Course:** 3013

**Grade Placement:** 9-12

**Prerequisite:** Students Must Register for Dance I

**Credit:** 2 (1 Physical Education + 1 Fine Art)

Students in Dance I also receive aerobic activities credit. Aerobic activities target a variety of movements that promote and encourage health-related fitness. Students enrolled in this course will acquire skills and knowledge in a variety of cardiovascular activities such as jogging, power walking, step aerobics, and circuit training.

### Cheerleading (Substitution Credit /After School Participation Only)

**Course:** 3198

**Grade Placement:** 9-12

**Prerequisite:** Competitive Tryouts

**Credit:** .5-1 (fall only up to 1 credit)

Students in the cheerleading class will not be allowed to receive substitution credit as listed above.

### Cheerleading (Gymnastics)

**Course:** 3241

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3243

3244

**Grade Placement:** 9-12

**Prerequisite:** Competitive Tryouts

**Credit:** 1 each

The cheerleaders perform at athletic events and other school and community functions as well as represent their school at regional and national cheer competitions. Cheer class is designed to improve the technical and performance skills of the high school cheerleaders both individually and as a group.

### Foundations of Personal Fitness (Boy's or Girl's)

**Course:** 3011 or 3021

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .1

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. Instructional units focus on basic conditioning, advantages of weight training, proper nutrition, and the appraisal of individual fitness levels.

**Adventure/Outdoor Education**

**Course:** 3014

**Grade Placement:** 9-12

**Prerequisite:** Foundations of Personal Fitness  
Recommended

**Credit:** 1

This course will apply movement principles in order to demonstrate competency in two or more outdoor activities, such as hiking, camping, fishing, and orienteering. The student will also develop new motor skills and understand that lifelong activities promote good health.

**Individual/Team Sports**

**Course:** 3012

**Grade Placement:** 10-12

**Prerequisite:** Foundations of Personal Fitness  
Recommended

**Credit:** 1

Students are expected to participate in a wide range of individual and team sports that can be pursued for a lifetime. In this course students develop health-related fitness and an appreciation for teamwork and fair play. Students learn skills, rules, and regulations for participation. The instructional focus of this course is on the benefits of participating in physical activities throughout a lifetime.

**Reserve Officer Training Corps I**

**Course:** 3380

**Prerequisite:** None

**Grade Placement:** 9-12

**Credit:** 1

**Site:** Saginaw High School

This course is designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the course describes the makeup of the aerospace community and the United States Air Force. Many of the sixty hours dedicated to leadership studies relate directly to the academic subject matter, with study habits and time management. Wearing of the uniform, customs and courtesies and basic drill skills are introduced.

**Students enrolled in this course receive physical education substitution credit.**

**Private or Commercially Sponsored  
Physical Activity**

Students may be awarded up to 4 physical education credits upon documentation of 80 hours of approved private or commercially-sponsored programs conducted on or off campus. Eighty documented hours of supervised participation must be submitted by an approved, trained instructor for a maximum of .5 credit per semester.

**Prior permission is required.**

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## Journalism

Course Name	Credits	Grade Levels	Prerequisites
Journalism	1	9-12	None
Journalism-Publications I-III	1 each	10-12	Journalism I
Photojournalism	.5	9-12	None

### Journalism

**Course:** 1130

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

This course provides an introduction to the history and basics of journalism to include editing, layout and publishing. Areas of study will focus on general news writing, including both newsletters and newspapers.

### Journalism -Publications I-III

**Course:** 1146

1147

1148

**Grade Placement:** 10-12

**Prerequisite:** Journalism I and Teacher Approval

**Credit:** 1

This course explores the methods and processes of journalistic products, including both the school yearbook and newspaper. By specializing in one area or combining a variety of roles, students have the opportunity to develop or refine skills as writers, photographers, layout editors, copy editors, and/or managing editors. Students are expected to enter class with the knowledge of how to write in the journalistic style, basic photography experience, and a basic understanding of computers.

### Photojournalism

**Course:** 1160

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** .5

Students in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. Students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography. Technology, visual, and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students will refine and enhance their journalistic skills and produce photographs for a journalistic publication.

## Languages Other Than English

Course Name	Credits	Grade Levels	Prerequisites
French I	1	9-12	None
French II	1	10-12	French I
French III Pre-AP	1	11-12	French II See Suggested Guidelines
French IV AP	1	12	French III See Suggested Guidelines
German I	1	9-12	None
German II	1	10-12	German I
German III Pre-AP	1	11-12	German II See Suggested Guidelines
German IV AP	1	12	German III See Suggested Guidelines
Spanish I	1	8-12	None
Spanish II	1	9-12	Spanish I
Spanish III Pre-AP	1	10-12	Spanish II See Suggested Guidelines
Spanish IV AP	1	11-12	Spanish III See Suggested Guidelines
Spanish V Pre-AP Spanish Literature for Spanish Speakers	1	9	8th Grade Spanish IV AP /Heritage Speaker
Spanish V AP	1	12	Spanish IV AP

### Suggested Guidelines for Pre-Advanced Placement and Advanced Placement Languages Other Than English

- Successful completion of language courses taken previously with an average of 80 or above
- Students encouraged to seek teacher advisement
- Student should have passed STAAR

**These suggested guidelines are designed to aid the student in choosing the course in which he/she will be most successful.**

#### French I

**Course:** 1610

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

This course is designed as an introduction to the basic structure and vocabulary of the French language. Pronunciation, speaking, and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. French culture will also be introduced.

#### French II

**Course:** 1620

**Grade Placement:** 10-12

**Prerequisite:** French I

**Credit:** 1

This course builds on the skills acquired in French I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading, and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

#### French III Pre-AP

**Course:** 1635

**Grade Placement:** 11-12

**Prerequisite:** French II See Suggested Guidelines

**Credit:** 1

This course builds on the skills acquired in French I and II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through use of the language in the classroom. Students are introduced to French literature, and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

### **French IV AP**

**Course:** 1645

**Grade Placement:** 12

**Prerequisite:** French III (See Suggested Guidelines)

**Credit:** 1

The French Language and Culture AP course is designed to provide students with a learning experience equivalent to that of an introductory college course. The course provides opportunities for students to demonstrate their proficiency in French across six groups of learning objectives identifying what students should know and be able to do across the three modes of communication. These objectives include Spoken Interpersonal Communication, Written Interpersonal Communication, Audio, Visual, and Audiovisual Interpretive Communication, Written and Print Interpretive Communication, Spoken Presentational Communication, and Written Presentational Communication. Students increase their knowledge of cultures through the study of history, literature, art, music, and current events, make comparisons between languages and between cultures, and use French in real-life settings. French is spoken almost exclusively in the Spanish Language and Culture AP course. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Spanish Language and Culture AP are expected to take the Advanced Placement Exam in the spring.**

### **German I**

**Course:** 1710

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1

This course is designed as an introduction to the basic structure and vocabulary of the German language. Pronunciation, speaking, and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. German culture will also be introduced.

### **German II**

**Course:** 1720

**Grade Placement:** 10-12

**Prerequisite:** German I

**Credit:** 1

This course builds on the skills acquired in German I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading, and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

### **German III Pre-AP**

**Course:** 1735

**Grade Placement:** 11-12

**Prerequisite:** German II (See Suggested Guidelines)

**Credit:** 1

This course builds on the skills acquired in German I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through use of the language in the classroom. Students are introduced to German literature, and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

### **German IV AP**

**Course:** 1745

**Grade Placement:** 12

**Prerequisite:** German III (See Suggested Guidelines)

**Credit:** 1

The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products). The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are foundational to the AP German Language and Culture course. The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. The AP German Language and Culture course strives to promote both fluency and accuracy in language use. The course is taught in the target language. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take German Language and Culture AP are expected to take the Advanced Placement Exam in the spring.**

### **Spanish I**

**Course:** 1510

**Grade Placement:** 8-12

**Prerequisite:** None

**Credit:** 1

This course is designed as an introduction to the basic structure and vocabulary of the Spanish language. Pronunciation, speaking, and grammar are emphasized through oral and written exercises. Emphasis is placed on the development of basic vocabulary. Hispanic culture will also be introduced.

### **Spanish II**

**Course:** 1520

**Grade Placement:** 9-12

**Prerequisite:** Spanish I

**Credit:** 1

This course builds on the skills acquired in Spanish I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading, and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

### **Spanish III Pre AP**

**Course:** 1535

**Grade Placement:** 10-12

**Prerequisites:** Spanish II (See Suggested Guidelines)

**Credit:** 1

This course builds on the skills acquired in Spanish I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through use of the language in the classroom. Students are introduced to Spanish literature, and communicative skills are emphasized. **Students who excel in this course may seek advanced placement testing for the possibility of earning college credit.**

### **Spanish IV AP**

**Course:** 1545

**Grade Placement:** 11-12

**Prerequisite:** Spanish III (See Suggested Guidelines)

**Credit:** 1

The Spanish Language and Culture AP course is designed to provide students with a learning experience equivalent to that of an introductory college course. The course provides opportunities for students to demonstrate their proficiency in Spanish across six groups of learning objectives identifying what students should know and be able to do across the three modes of communication. These objectives include Spoken Interpersonal Communication, Written Interpersonal Communication, Audio, Visual, and Audiovisual Interpretive Communication, Written and Print Interpretive Communication, Spoken Presentational Communication, and Written Presentational Communication. Students increase their knowledge of the cultures of the Spanish

speaking world through the study of history, literature, art, music, and current events to make connections between their learning in the Spanish classroom setting, their learning in other disciplines, and their daily lives. Spanish is spoken almost exclusively in the Spanish Language and Culture AP course. **Extra time is required on the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Spanish Language and Culture AP are expected to take the Advanced Placement Exam in the spring.**

### **Spanish V Pre-AP Spanish Literature for Spanish Speakers**

**Course:** 1565

**Grade Placement:** 9

**Prerequisite:** 8th Grade Spanish IV AP See Suggested Guidelines

**Credit:** 1

Spanish V Pre-AP is an accelerated course for heritage speakers. This is an introductory course to the Spanish V AP Literature course. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts. Additionally, students will further explore the five C's - communication, culture, connections, comparisons, communities - at the advanced proficiency level. Students will acquire additional vocabulary and sophistication in their use of target language through projects, literature, intensified oral practice, and the study of grammatical constructions all within the context of real-world setting.

### **Spanish V AP**

**Course:** 1555

**Grade Placement:** 12

**Prerequisite:** Spanish IV AP See Suggested Guidelines

**Credit:** 1

The AP® Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. **Extra time is required on**



the part of AP students for class preparation, outside reading, and completion of assignments. AP courses provide students with a learning experience equivalent to that obtained in most college introductory courses. Students who take Spanish Literature and Culture AP are expected to take the Advanced Placement Exam in the spring.

# Military Science

Course Name	Credits	Grade Levels	Prerequisites
Reserve Officer Training Corps I	1	9-12	None
Reserve Officer Training Corps II	1	10-12	ROTC I
Reserve Officer Training Corps III	1	10-12	ROTC II
Reserve Officer Training Corps IV	1	10-12	ROTC III

### Reserve Officer Training Corps I

**Course:** 3380

**Prerequisite:** None

**Grade Placement:** 9-12

**Credit:** 1

**Site:** Saginaw High School

JROTC I is the introductory course for all new cadets. Students will focus on becoming effective cadet followers as they learn basic Air Force JROTC customs and courtesies, dress and appearance standards, and drill fundamentals. **Students enrolled in this course receive physical education substitution credit.**

### Reserve Officer Training Corps II

**Course:** 8012

**Prerequisite:** ROTC I

**Grade Placement:** 10-12

**Credit:** 1

**Site:** Saginaw High School

JROTC II is designed for second year cadets. These students will generally help train new cadets, lead smaller extracurricular teams or clubs, or manage a specific functional area within the cadet corps.

### Reserve Officer Training Corps III

**Course:** 8013

**Prerequisite:** ROTC II

**Grade Placement:** 11-12

**Credit:** 1

**Site:** Saginaw High School

JROTC III is intended for third year students. These junior and senior cadets will focus on leading larger groups of cadets and managing larger programs affecting the entire Cadet Group.

### Reserve Officer Training Corps IV

**Course:** 8014

**Prerequisite:** ROTC III

**Grade Placement:** 12

**Credit:** 1

**Site:** Saginaw High School

JROTC IV is intended for fourth year students. These senior cadets have experienced the entire JROTC program and are generally responsible for running all cadet programs. Fourth year cadets may also be assigned special corps projects or a position as an instructor's aide.

### Junior Reserve Officer Training Corps (JROTC) Program Overview

Air Force JROTC (AFJROTC) offers a one to four-year elective course of study designed to **“develop citizens of character dedicated to serving their nation and community.”** This program uses traditional classroom instruction along with military-style training techniques to help students (referred to as “cadets”) grow in the areas of personal responsibility, self-discipline, and leadership. Although students do not incur a military service commitment for taking JROTC, they can earn early promotions if they enlist after graduation.

Cadets of all grades are required to wear AFJROTC uniforms once a week. Uniforms are loaned to cadets once they demonstrate the ability to meet basic Air Force grooming standards (haircuts, shave, and cosmetics). AFJROTC dress and appearance requirements are outlined in Air Force Instruction 36-2903. Failure to maintain these standards will result in failing grades and dismissal from the program.

Although the specific topic of study rotates each year, cadets will learn about Aerospace Science, Leadership Education, and wellness each semester and each week. Aerospace Science (AS) subjects include history of flight, exploring space, and global cultural studies. Leadership Education (LE) focuses on building better citizens through lessons on Air Force traditions and customs, drill and ceremony (marching), and life/career skills. The wellness component of each semester consists of weekly physical training (PT) which is designed to motivate cadets to lead an active, healthy lifestyle.

The rotation of subject matter ensures students can take JROTC classes all four years without repeating a course of study. This also allows for mixed classes of freshman through seniors where more experienced cadets can practice leadership skills learned from past years. The key distinction between courses comes from these additional leadership requirements levied on students as they progress through the program. The program's goal is to establish a cadet-run “corps” which serves the cadets, the school, and the community.

## Other Electives

Course Name	Credits	Grade Levels	Prerequisites
<b>Peer Assistance and Leadership I (PAL)</b>	<b>1</b>	<b>11-12</b>	<b>None</b>

**Peer Assistance & Leadership I (PAL)**

**Course:** 1825

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit:** 1 (Double Block Class)

This course provides selected students with an opportunity to be trained to work as a peer facilitator with younger students on their own campus or from feeder middle and/or elementary schools. PAL students will learn skills which will enable them to help younger students have a positive and productive school experience.

## Technology Applications

Course Name	Credits	Grade Levels	Prerequisites
Computer Science Pre-AP	1	9-12	Algebra I
Computer Science AP	1	10-12	Computer Science I and Geometry
Digital Design and Media Production	1	10-12	Business Information Management

**Computer Science Pre-AP Course: 5070**

**Grade Placement:** 9-12

**Prerequisite:** Algebra I

**Credit:** 1

This course offers an introduction to Computer Science through the development of concepts and skills associated with programming methodology, data types and structures, algorithms, social implications and applications of computers using the JAVA language. Course can count for one credit of Technology Applications.

**Computer Science AP Course: 5075**

**Grade Placement:** 10-12

**Prerequisite:** Computer Science I and Geometry

**Credit:** 1

This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, sets, stacks, pointers and recursion and culminates in the preparation for the AP exam administered in May. Course can count for one credit of Technology Applications.

**Digital Design and Media Production**

**Course:** 5030

**Grade Placement:** 10-12

**Prerequisite:** BIM

**Credit:** 1

The student will develop proficiency in using desktop publishing software to create a variety of printed and electronic publications. Students will incorporate journalistic principles in design and layout of publications including integration of text and graphics and use sophisticated hardware and software to develop and create quality materials for business related tasks. Students will incorporate the process of analyzing information and audience and choosing the appropriate visual signals to communicate the desired message effectively.

**Multimedia**

**Course:** 5040

**Grade Placement:** 9-12

**Prerequisite:** BIM

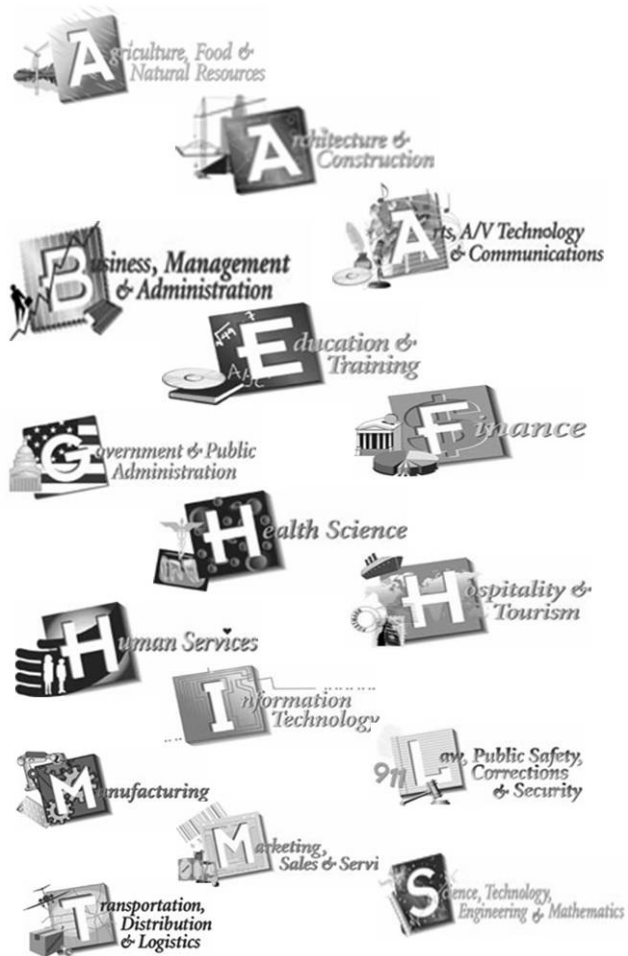
**Credit:** 1

This course is intended as an introduction to the use of Multimedia to produce quality presentations. It involves the use of a wide range of hardware, scanners, cameras, camcorders, printers and software currently available in the multimedia areas. Course can count for one credit of Technology Applications.

# ***SAMPLE ENDORSEMENTS***

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Eagle Mountain-Saginaw ISD  
Sample 4- Year Plan for Business and Industry Endorsement  
Audio and Video



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. or Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Audio Video Production	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Advanced Audio Video Production or Radio Broadcasting	Advanced Audio Video Production or Radio Broadcasting	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Practicum Audio Video Production or Audio Production	Practicum Audio Video Production or Audio Production	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course number	Course Name	Number of credits	Grade level
	<b>Audio / Video</b>		
5081	Audio Video Production	1.0	9-12
5082	Advanced Audio Video Production	2.0	11-12
5093	Practicum of Video Production (TV)	2.0	12
	or		
5083	Radio Broadcasting	2.0	11-12
5093	Practicum of Audio Production (Radio)	2.0	12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business and Industry Endorsement  
 Automotive / Transportation



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. or Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of choice	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Automotive Technology	Automotive Technology	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Advanced Automotive Technology	Advanced Automotive Technology	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course number	Course Name	Number of credits	Grade level
	<b>Automotive Technology</b>		
5633	Automotive Technology	2.0	11-12
5634	Advanced Automotive Technology	2.0	12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business and Industry Endorsement  
 Aviation / Transportation



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of Choice	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Aviation Technology / Aircraft Mechanics	Aviation Technology / Aircraft Mechanics	Aviation Technology / Aircraft Mechanics
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Practicum of Aviation Technology / Aircraft Mechanics	Practicum of Aviation Technology / Aircraft Mechanics	Practicum of Aviation Technology / Aircraft Mechanics

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Aviation Technology &amp; Aircraft Mechanics</b>		
5635	Aviation Technology & Aircraft Mechanics	3.0	11-12
5636	Practicum of Aviation Technology & Aircraft Mechanics	3.0	12



Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Service Endorsement  
 Cosmetology / Human Services



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1 / Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. 1 <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2/ Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Or Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of Choice	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Cosmetology	Cosmetology	Cosmetology
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Cosmetology	Cosmetology	Cosmetology

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Cosmetology</b>		
5611	Cosmetology 1	3.0	11
5621	Cosmetology 2	3.0	12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business & Industry Endorsement  
 Culinary Arts / Hospitality



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1 / Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2/ Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. or Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Lifetime Nutrition and/or Principles of Hospitality and/or Elective of Choice	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Culinary Arts 1	Culinary Arts 1	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Practicum Culinary Arts 2	Practicum Culinary Arts 2	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course number	Course Name	Number of credits	Grade level
	<b>Culinary Art, Hospitality</b>		
5372	Principles of Hospitality	0.5	9-12
5373	Lifetime Nutrition	0.5	9-12
5374	Culinary Arts	2.0	11-12
5376	Practicum in Culinary Arts	2.0	12
5375	Restaurant Management -must be taken with Practicum in Culinary Arts	1.0	12

Eagle Mountain-Saginaw ISD  
Sample 4- Year Plan for Public Service Endorsement  
Education & Training



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of choice and/or Principles of Education & Training	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Counseling & Mental Health or Human Growth Development	Instructional Practices in Education & Training	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Practicum in Education & Training	Practicum in Education & Training	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course number	Course Name	Number of credits	Grade level
	<b>Education and Training</b>		
5331	Principles of Education & Training	0.5	9-12
5332	Instructional Practice in Education & Training	1.0	10-12
5333	Practicum in Education & Training	2.0	12
5281	Counseling & Mental Health	1.0	9-12
5282	Human Growth & Development	1.0	9-12

## Eagle Mountain-Saginaw ISD

### Sample 4- Year Plan for Science, Technology, Engineering and Mathematics Endorsement Engineering Strand



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English I / Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre- AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W.Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Elective of choice and/or Concepts of Engineering	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/Pre- AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W.Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of choice or/ Engineering Design & Presentation	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Physics / Physics Pre-AP	Robotics or Aerospace Engineering	Robotics or Aerospace Engineering	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Engineering Math (Accelerated) or Advanced Math	Govn't Eco / AP Govn't Eco	Aerospace Engineering (counts as 2 science credits) or Robotics	Aerospace Engineering (counts as 2 science credits) or Robotics	Fine Art	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade Level
	<b>Engineering</b>		
5551	Concepts of Engineering	.5	8-12
5552	Engineering Design & Presentation	1.0	9-12
5554	Robotics and Automation	2.0	11-12
5553	Aeroscience Engineering – counts as 2 Science credits	2.0	11-12
5557	Engineering Math-Accelerated -counts 1 Math Credit	1.0	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business and Industry Endorsement  
 Graphic Design and Animation



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. 1 <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Art or Fine Art of Choice	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Digital Information Media / or Elective of choice	Athletics or Choice of Elective
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Graphic Design or Animation	Graphic Design or Animation	Athletics or Choice of Elective
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Adv. Graphic Design or Adv. Animation	Adv. Graphic Design or Adv. Animation	Athletics or Choice of Elective

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Graphic Design / Animation</b>		
5041	Digital Information Media	1.0	9-12
5087	Graphic Design	2.0	11-12
5094	Advanced Graphic Design	2.0	11-12
5085	Animation	2.0	11-12
5086	Advanced Animation	2.0	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Services Endorsement  
 Health Science / EMT



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1 / Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Principles of Health Science	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History / AP World History	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Fine Art or Med Terminology and/or Choice of Elective	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Clinical Rotations or Elective of Choice	Clinical Rotations or Elective of Choice	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Anatomy & Physiology or Medical Micro/ Pathophysiology or Advanced Science	Practicum of Health Science / EMT	Practicum of Health Science/ EMT	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
<b>Health Sciences and Occupations</b>			
5861	Principles of Health Science	1.0	9-12
5811	Medical Terminology	0.5	9-12
5862	Clinical Rotation	2.0	11-12
5865	Practicum in HST – Pharmacy Technician	2.0	12
5864	Practicum in HST- EMT	2.0	12
5863	Practicum in HST – C.N.A & Phlebotomy	2.0	12
5866	Practicum in HST– Sports Medicine	2.0	11-12
5918	Firefighter 1 (TCC dual credit)	2.0	11-12
1371	Anatomy & Physiology -Science Credit	1.0	11-12
5841	Medical Microbiology - Science Credit	0.5	11-12
5851	Pathophysiology - Science Credit	0.5	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Services Endorsement  
 Health Science / Sports Medicine



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Principles of Health Science	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/Pre -AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Med Terminology and/or Choice of Elective or Fine Art	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Physics / Pre-AP Physics Or Advanced Science	Medical Micro/ Pathophysiology or Clinical Rotation or Sports Medicine	Anatomy & Physiology or Clinical Rotation or Sports Medicine	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Anatomy & Physiology or Medical Micro/ Pathophysiology or Advanced Science	Practicum of Health Science / Sports Medicine	Practicum of Health Science/ Sports Medicine	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
<b>Health Sciences and Occupations</b>			
5861	Principles of Health Science	1.0	9-12
5811	Medical Terminology	0.5	9-12
5862	Clinical Rotation	2.0	11-12
5865	Practicum in HST – Pharmacy Technician	2.0	12
5864	Practicum in HST- EMT	2.0	12
5863	Practicum in HST – C.N.A & Phlebotomy	2.0	12
5866	Practicum in HST– Sports Medicine	2.0	11-12
5918	Firefighter 1 (TCC dual credit)	2.0	11-12
1371	Anatomy & Physiology - Science Credit	1.0	11-12
5841	Medical Microbiology - Science Credit	0.5	11-12
5851	Pathophysiology - Science Credit	0.5	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Services Endorsement  
 Health Science / C N A / Phlebotomy



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre- AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Principles of Health Science	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Med Terminology and/or Choice of Elective or Fine Art	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Physics / Pre-AP Physics	Medical Micro/ Pathophysiology or Clinical Rotations	Anatomy & Physiology or Clinical Rotations	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Anatomy & Physiology or Medical Micro/ Pathophysiology or Advanced Science	Practicum of Health Science C N A / Phlebotomy	Practicum of Health Science/ C N A / Phlebotomy	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
<b>Health Sciences and Occupations</b>			
5861	Principles of Health Science	1.0	9-12
5811	Medical Terminology	0.5	9-12
5862	Clinical Rotation	2.0	11-12
5865	Practicum in HST – Pharmacy Technician	2.0	12
5864	Practicum in HST- EMT	2.0	12
5863	Practicum in HST – C.N.A & Phlebotomy	2.0	12
5866	Practicum in HST– Sports Medicine	2.0	11-12
5918	Firefighter 1 (TCC- dual credit)	2.0	11-12
1371	Anatomy & Physiology - Science Credit	1.0	11-12
5841	Medical Microbiology - Science Credit	0.5	11-12
5851	Pathophysiology - Science Credit	0.5	11-12



Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Services Endorsement  
 Health Science / Firefighter



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b>	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Principles of Health Science	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP World History	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Med Terminology and/or Choice of Elective	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Firefighter	Firefighter	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Anatomy & Physiology or Medical Micro/ Pathophysiology or Advanced Science	Practicum of Health Science / EMT	Practicum of Health Science/ EMT	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Health Sciences and Occupations</b>		
5861	Principles of Health Science	1.0	9-12
5811	Medical Terminology	0.5	9-12
5862	Clinical Rotation	2.0	11-12
5865	Practicum in HST – Pharmacy Technician	2.0	12
5864	Practicum in HST- EMT	2.0	12
5863	Practicum in HST – C.N.A & Phlebotomy	2.0	12
5866	Practicum in HST– Sports Medicine	2.0	11-12
5918	Firefighter 1 (dual credit)	2.0	11-12
1371	Anatomy & Physiology - Science Credit	1.0	11-12
5841	Medical Microbiology - Science Credit	0.5	11-12
5851	Pathophysiology - Science Credit	0.5	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Services Endorsement  
 Health Science / Pharm Tech



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre- AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Principles of Health Science	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Med Terminology/ and/or Choice of Elective or Fine Art	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Physics / Pre-AP Physics or Advanced Science	Clinical Rotation or Medical Micro/ Pathophysiology	Clinical Rotation or Anatomy & Physiology	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Anatomy & Physiology or Medical Micro/ Pathophysiology or Advanced Science	Practicum of Health Science / Pharm. Tech	Practicum of Health Science/ Pharm. Tech	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
<b>Health Sciences and Occupations</b>			
5861	Principles of Health Science	1.0	9-12
5811	Medical Terminology	0.5	9-12
5862	Clinical Rotation	2.0	11-12
5865	Practicum in HST – Pharmacy Technician	2.0	12
5864	Practicum in HST- EMT	2.0	12
5863	Practicum in HST – C.N.A & Phlebotomy	2.0	12
5866	Practicum in HST– Sports Medicine	2.0	11-12
5918	Firefighter 1 (TCC dual credit)	2.0	11-12
1371	Anatomy & Physiology -Science Credit	1.0	11-12
5841	Medical Microbiology - Science Credit	0.5	11-12
5851	Pathophysiology - Science Credit	0.5	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business and Industry Endorsement  
 Information Technology



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W.Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra 2 / Pre-AP Alg 2	World History/ AP W.Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Choice of Elective / or Principles of Information & Technology and/or Web Technologies	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Computer Technician or Networking Technology	Computer Technician or Networking Technology	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Networking Technology or Computer Technician	Networking Technology or Computer Technician	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Information Technology</b>		
5096	Principles of Information & Tech.	0.5	9-12
5052	Web Technologies	0.5	9-12
5097	Computer Technician	2.0	11-12
5092	Networking Technologies	2.0	11-12
5070	Computer Science Pre-AP	1.0	9-12
5075	Computer Science –AP	1.0	10-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Public Service Endorsement  
 Law and Public Safety



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry or Algebra II / Pre-AP Alg II	World History/ AP W. Hist	Chemistry / Pre-AP Chem. Physics/Pre-AP or Adv. Science	Spanish II or French II or German II	Elective of choice or/and Principles of Law and Public Safety	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg. 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Advanced Science	Law Enforcement I	Law Enforcement I	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Forensic Science or Advanced Science	Law Enforcement II or Court Systems	Law Enforcement II or Court Systems	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Law Enforcement</b>		
5910	Principles Of Law Enforcement	0.5	9-12
5913	Law Enforcement	2.0	11-12
5914	Law Enforcement II	2.0	12
5915	Court Systems & Practices	2.0	12
5911	Forensic Science - Science Credit- Accelerated	1.0	11-12
5912	Forensic Science - Science Credit	1.0	11-12

Eagle Mountain-Saginaw ISD  
 Sample 4- Year Plan for Business & Industry Endorsement  
 Welding/Manufacturing



	1	2	3	4	5	6	7
<b>9<sup>th</sup></b>	English 1/ Pre-AP English 1 <b>EOC</b>	Algebra 1 / Pre-AP Alg. I <b>EOC</b> or Geometry/ Pre-AP Geometry	World Geo./ Pre-AP W. Geo or AP Human Geo.	Biology / Pre-AP Biology <b>EOC</b>	Spanish I or French I or German I	Fine Art	Athletics or P.E.
<b>10<sup>th</sup></b>	English II / Pre-AP English II <b>EOC</b>	Geometry/ Pre-AP Geometry Or Algebra 2 / Pre-AP Alg 2	World History / AP W. Hist	Chemistry / Pre-AP Chem.	Spanish II or French II or German II	Elective of choice and/or Principles of Manufacturing	Athletics or Elective of Choice
<b>11<sup>th</sup></b>	English III / AP English III	Alg 2 / Pre-AP Alg 2 or Advanced Math	US History / AP US History <b>EOC</b>	Physics or Advanced Science	Welding 1 or Manufacturing Engineering	Welding 1 or Manufacturing Engineering	Athletics or Elective of Choice
<b>12<sup>th</sup></b>	English IV / AP English IV	Advanced Math	Govn't Eco / AP Govn't Eco	Advanced Science	Advanced Welding or Manufacturing Engineering	Advanced Welding or Manufacturing Engineering	Athletics or Elective of Choice

Pick 2 or more classes for 4 or more credits.

Course Number	Course Name	Number of credits	Grade level
	<b>Welding, and Manufacturing</b>		
5521	Principles of Manufacturing	0.5	9-12
5523	Manufacturing Engineering	2.0	11-12
5524	Welding	2.0	11-12
5525	Advanced Welding	2.0	11-12

